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Russell-H

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TOP NOTCH SEEDS 1925

RUSSELL-HECKLE'S PEDIGREED COTTON

D. N. Shoemaker
JAN 12 1925

RUSSELL-HECKLE SEED CO.

SALES STORE AND OFFICE
26 SOUTH FRONT ST.

MEMPHIS, TENN.

WHOLESALE WAREHOUSE
589-591 S. FRONT ST.

Russell-Heckle's 1925 Ca

In offering our Catalog for the coming season, we extend thanks to the public for the past courtesies, with the assurance that we will spare no effort in furnishing seeds of superior quality.

Knowing how is not an inspiration; it is gained by long experience and application.

If we have never served you, send us your next order; it will have our personal attention. If you are already one of our customers, you are aware of our keen interest in giving you good seed. We aim to supply our Top Notch Brand of Seeds at the lowest prices.

"Treat 'em right" is our motto.

Very respectfully yours,

RUSSELL-HECKLE SEED CO.

J. T. Russell, Chas. E. Heckle.

Sales Store and Office—26 S. Front St.

Wholesale Warehouse—589 S. Front St.

Terms, Discounts, Etc.

The Prices We Quote on vegetables and flower seeds will hold good as long as stocks last. The prices on grass seed, grains and all farm seeds are those ruling January 1st, 1925, and are subject to market changes. As far as possible we will fill in full all orders for seeds that are quoted subject to variation in price, but if market values will not permit this, we will send all that money remitted will pay for.

We Pay Postage on all
ounce, quarter pound and
quarts of Peas, Beans and Swee
and bulbs, except where noted oth
goods quoted in our catalog wh
post paid.

Seeds by Freight and Express—Quotations "by express" or freight means that the price quoted is packed F. O. B. Memphis, purchaser paying charges either by express or freight.

Send Cash With Order—This can be done either in the form of a Money Order, Bank Draft, Express Order, Registered Letter.

Our Guarantee

We won't ship you seed until we know they will germinate. Of course, we cannot guarantee you a crop, for we cannot be there to plant them or attend to them; and weather conditions sometimes positively prevent a stand. But you can take our seed home, examine them, test them, and call in your neighbor or county agent, and if you feel that you have not gotten your money's worth, or our seeds are not as represented, return them at once and we will refund the amount you paid for them.

That's fair, now, isn't it? We leave it all to your judgment, and all we ask is a fair deal, which we know you will give us. "Treat 'em right" is our motto.

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JAN 15 1925

Russell-Heckle Seed Co.

Memphis, Tenn.
26 South Front Street

Please forward the following, as per terms of your catalogue by
(State here if wanted by Mail, Express or Freight)

.....

Date.....

Name.....

Post Office....., State.....
(Write Plainly.)

Box No.....

County.....R. F. D. No.....

AMOUNT ENCLOSED

M. O.....

Check.....
(If you send personal checks, add 10c to same for collection, as our banks make this charge for handling same. All checks must be certified.)

Cash.....

Stamps.....
Freight or Express Office if different from Post Office.

.....

Every order, large or small, will receive prompt and careful attention. Russell-Heckle Seed Co.

WRITE NAME AND ADDRESS—PLAIN AND IN FULL IN THE SPACE ABOVE

Quantity	ARTICLES WANTED	Price	
	(Over) Amount Carried Forward,		

We handle the best Fertilizers, Insecticides, Sprayers, Incubators, Brooders, and Hovers.

Quantity	NAMES OF ARTICLE	Price	
	Amount Brought Forward,		

FROST-PROOF CABBAGE PLANTS

Will mature three weeks earlier than home-grown plants. Varieties: Jersey Wakefield, Charleston Wakefield, Succession and Early Flat Dutch

These plants are grown in the open field during the fall and winter months, which causes them to make a slow, tough, hardy growth—so hardy that the outer leaves turn to a reddish brown. They can be shipped to distant points without danger of spoiling and should be planted in the open ground from four to five weeks earlier than frame plants.

See them in the open ground about February 5th.

Orders filled from January 15th until April 1st. We do not advise planting later than this time.

The plants, when received, will be somewhat wilted and have a hard stunted appearance, which will be disappointing to persons who have never used these plants before. Regardless of appearance, they will produce the crop results.

Prices: Parcel post paid, 100, **50c**; 500, **$1.60**; 1,000, **$3.00.**

Not prepaid, by express, 500, **$1.25**; 1,000, **$2.00**; 5,000, **$7.50**; 10,000, **$12.50.**

We usually have plants ready to ship promptly, but occasionally, on account of heavy orders, we may be compelled to hold your order **a few days, but rest assured, however, we will get them to you as quick as possible.**

No order filled for less than 100 of a variety. We do not ship any plants C. O. D. Our terms are cash with order.

Orders for all plants will be taken subject to crop failures.

Home-Grown Cabbage Plants—These are ready about the first part of March; they should not be set out earlier; being tender, they are not as hardy as the frost-proof kind. We can furnish the following varieties: Jersey Wakefield, Early Flat Dutch, Charleston Wakefield, Succession.

Prices: Parcel post paid, 100, **50c**; 500, **$1.50**; 1,000, **$2.75**; by express, not prepaid, 100, **35c**; 500, **$1.25**; 1,000, **$2.25.**

Beet Plants—Ready about March 1st. **Prices:** Parcel post paid, 100, **45c**; 500, **$1.75**; 1,000, **$3.00**; by express, not prepaid, 100 **35c**; 500, **$1.50**; 1,000, **$2.50.**

Cauliflower Plants—Ready about March 1st. **Prices:** Parcel post paid, doz., **20c**; 50, **75c**; 100, **$1.25**; by express, not prepaid, doz., **15c**; 50, **60c**; 100, **$1.00.**

Celery Plants—Ready April 1st. **Prices:** Parcel post paid, doz., **20c**; 50, **40c**; 100, **60c**; by express, not prepaid, doz., **15c**; 50, **30c**; 100, **50c.**

Egg Plants—These are ready about April 20th. **Prices:** Parcel post paid, doz., **25c**; 50, **75c**; 100, **$1.25**; by express, not prepaid, doz., **20c**; 50, **60c**; 100, **$1.00.**

Lettuce Plants—Ready March 1st. **Prices:** Parcel post paid, 50, **25c**; 100, **45c**; 500, **$1.75**; by express, not prepaid, 50, **20c**; 100, **35c**; 500, **$1.50**; 1,000, **$2.50.**

Bermuda Onion Plants—Set them out any time in February or March and they will make fine onions which are exceedingly mild and of good flavor. Grow a few Bermuda Onions in your garden and you will be highly pleased. **Prices,** Parcel post paid, 100, **35c**; 1,000, **$2.25.** Not prepaid, 100, **25c**; 1,000, **$2.00**; per crate containing 6,000 plants, **$8.50.**

Pepper Plants—Ready April 15th. Varieties: Chinese Giant and Long Cayenne. **Prices:** Parcel post paid, doz., **25c**; 50, **75c**; 100, **$1.25**; by express, not prepaid, doz., **20c**; 50, **60c**; 100, **$1.00.**

Tomato Plants—These are ready about the 20th of March. Our stock is raised from the very best quality of seed and will give perfect satisfaction.

Prices: Hot Bed or Seedling Stock. Parcel post paid, doz., **20c**; 50, **50c**; 100, **70c**; 500, **$2.75.** Not prepaid, doz., **15c**; 50, **35c**; 100, **50c**; 500, **$2.25.**

Prices: Transplanted Stock. Parcel post paid, doz., **30c**; 50, **75c**; 100, **$1.25**; 500, **$4.25.** Not prepaid, doz., **20c**; 50, **60c**; 100, **$1.00**; 500, **$3.75.**

SWEET POTATO SLIPS

Prices non-certified slips, which cannot go into Mississippi.

Nancy Halls—Porto Ricans—Bunch Yams—Parcel post paid, 500, **$2.25**; 1,000, **$3.85**; not prepaid, 500, **$2.00**; 1,000, **$3.50**; 5,000, **$16.25**; 10,000 **$30.00.**

Above prices are subject to any important change in the market at the time of shipment.

Russell-Heckle Co's
TOP NOTCH GARDEN SEEDS

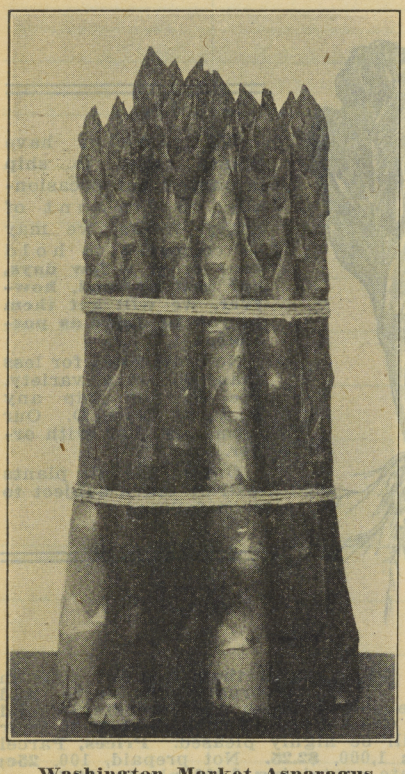
Our Seeds are the **BEST** that can be obtained anywhere, because we are as careful in our selection as it is possible for anyone to be, and are constantly on the lookout for the best of everything.

No matter what others may ask for their seeds, better quality cannot be obtained anywhere, as our fast increasing trade will testify.

Special Rates on Garden Seeds, Packets and Cartons.

We will sell any

6— 5c size Packets for	$0.25
13— 5c size Packets for	.50
30— 5c size Packets for	1.00
3—10c size Packets for	.25
7—10c size Packets for	.50
15—10c size Packets for	1.00
4—15c size Cartons for	.50
9—15c size Cartons for	1.00



Washington Market Asparagus

ASPARAGUS

One Ounce Wil Sow About 50 Feet of Drill

Sow in the spring as soon as the soil is in good working condition. Cultivate during the summer, and give the plants a little covering of stable litter during the winter. At one or two years, transplant to permanent beds.

Washington Market Asparagus—A new variety, wilt resistant and we believe will supersede all other varieties. Washington Market Asparagus is of large size, makes rapid growth, the stalks are snow white and surpass in thickness and quality any other kind. In addition to being entirely rust proof. On the advice of experts in the Bureau of Plant Industry, Washington, D. C., we are offering only the 2-year-old roots which are the most satisfactory for transplanting.
Prices: Seed—Pkt., **10c**; oz., **50c**; ¼ lb., **$1.75**; 1 lb., **$4.50. Roots**—2-year, doz., **50c**; 50, **$1.50**; 100, **$2.50**, parcel post paid. Not prepaid, doz., **40c**; 50, **$1.25**; 100, **$2.00.**

Columbian Mammoth White—Produces clean white stalks and remains in fine condition for a longer period than Palmetto or Barrs. Columbian Asparagus grows to a large size and very uniform, therefore making it a very desirable variety.
Prices: Seed—Pkt., **5c**; oz., **10c**; ¼ lb., **30c**; 1 lb., **$1.00**; parcel post paid. **Roots**—2-year old, doz., **35c**; 50, **$1.00**; 100, **$1.75**; parcel post paid. Not prepaid, doz., **25c**; 50, **85c**; 100, **$1.50.**

ARTICHOKES

One Ounce Will Produce 500 Plants

Sow in drills in March, 8 or 10 inches apart, when the plants are well up, transplant in rows 4 feet apart and 2 feet apart in rows.

Green Globe French—Fine, large heads. Pkt., **10c**; oz., **50c**; parcel post paid.

BROCOLI

CULTURE—Resembles the Cauliflower, but not forming such compact heads and not quite so white, being greenish cast.

Purple Cape—This is the most desirable variety. Pkt., **10c**; oz., **75c**; 2 oz., **$1.25**; ¼ lb., **$2.50**; parcel post paid.

BRUSSELS SPROUTS

CULTURE—A vegetable cultivated the same as Cabbage. The small heads which appear along the upper part of the stalk between the leaves make a fine dish when well prepared. Should be sown during Spring and Fall. Matures in 90 to 120 days.
Prices: Pkt., **10c**; oz., **35c**; 2 oz., **60c**; ¼ lb., **90c**; parcel post paid.

CHINESE CABBAGE

CHINESE CELERY CABBAGE

This exceptionally fine vegetable is of the cabbage family. In shape it is unlike any other familiar type of the cabbage family. Its habits of growth resemble Coslettuce. When the outside leaves are stripped away we see an appetizing picture of lettuce and celery combined, presenting a cool, crisp, inviting appearance well-nigh irresistible.

Wong Bok Chinese Celery Cabbage—Big, compact, tender and crisp. We have found this to be absolutely the best firm-heading Chinese Cabbage to grow during the summer months. It will not scald or burn and will make a head when other varieties fail. It will produce a head of 15 pounds and will stand long before bolting to seed. It is excellent in quality, crisp, tender and brittle, with a fine celery flavor. It is vigorous and free from insects. **Prices:** Pkt., **10c**; oz., **35c**; ¼ lb., **$1.00**; 1 lb., **$2.75**; parcel post paid.

"Wong Bok" Chinese Cabbage

QUANTITY BUYERS, ATTENTION:

If large quantities of either farm or vegetable seeds are wanted, send us a list of your requirements stating quantity desired and we will send you our best quotations.

GREEN POD BUSH BEANS

CULTURE—These can be planted with safety any time from April 1st to September 1st. Sow 3 inches apart in rows, and have the rows 2½ or 3 feet apart. One quart will sow 200 feet of row.

Black Valentine—The hardiest of all beans; will stand more frost than any other sort. The pods are dark green, long, straight, very handsome; are produced very profusely. It is also one of the earliest varieties.

Burpee's Stringless Green Pod—Early and hardy, pods semi-round, perfectly stringless, tender and brittle, and of the highest quality.

Bountiful—Not quite as early as some kinds, but bears for a long season; the rich, green pods are extra long, broad, thick, flat, meaty, meltingly tender and with scarcely a trace of string.

Extra Early Refugee—It is a good yielder, pods uniformly round and nearly stringless, favorite with canners and shippers.

Giant Stringless Green Pod—Exceptionally fine for either home use or market. The pods are round, 5 to 6 inches long, meaty, perfectly stringless and are borne continuously for weeks.

Hopkins Early Red Valentine—An improved strain of the Red Valentine, having quite fleshy pods, which are round, brittle and tender.

Improved Red Valentine—If you are in doubt about what variety to plant, you will make no mistake in selecting Red Valentine. The pods are round, about 4 inches long, fleshy, crisp and tender.

Improved Red Valentine Bush Beans

Giant Stringless Green Pod

Longfellow—Yields round, straight, fleshy pods that average 6 inches or more in length; free of tough lining and until the pods are old are almost entirely stringless.

Tennessee Green Pod—Yields the longest and largest pods of any Bush Beans, often 6 to 7 inches long, flat and somewhat irregular in shape but of fine flavor.

Prices of any of the above varieties of Green Pod Bush Beans uniform as follows: Pkt. **10c**; ½ pt. **18c**; pint, **30c**; qt., **55c**; parcel post paid. Not prepaid, ½ pt. **15c**; pint, **25c**; quart, **45c.**

See Green Ink Price Sheet for quotations on Green Pod bush beans by the peck and bushel.

Two of the Best Insecticides

BLACK LEAF 40—Destroys such insect enemies as aphis (plant lice), thrips, leaf hoppers on fruits, vegetables, flowers, shrubs, etc.

"Black Leaf 40" is a concentrated solution of nicotine-sulphate. It is a contact insecticide. It kills insects when and only when brought into contact with their bodies. It mixes readily with water, does not clog the spray nozzles, nor does it injure foliage if diluted as recommended.

Poison—Cannot be sent by mail. Prices, small size bottle, **35c**; ½ lb., **$1.25**, makes 40 to 50 gallons spray; 2 lbs., **$3.50**, makes 150 to 200 gallons spray. Full directions on every package.

BUSH BEANS—WAX POD

CULTURE—These can be planted with safety any time from April 10th to September 1st. Sow 3 inches apart in rows and have the rows 2½ or 3 feet apart, cover seeds two inches.

Currie's Rust Proof Wax—A variety which is claimed to be rust proof. The vines are very vigorous, hardy, productive. Pods, light yellow, similar in shape to Golden wax, 5½ to 6 inches long. Matures early and is a splendid sort for market gardens and excellent for home use. The Seed is long, oval, medium size, purplish black.

Hodson's Wax—Productive; the pods are long, creamy yellow and free from rust.

Improved Golden Wax—Vines medium sized, vigorous and hardy; pods broad, flat and of a golden yellow color. This variety is an improvement over the old Golden Wax. The plants are very resistant to rust.

Prolific Black Wax—A popular variety; color of pod waxy yellow; tender, productive.

Round Pod Kidney Wax—The best round podded variety. Sure to yield an early and profitable crop.

Prices any of the above varieties of Wax Pod Bush Beans uniform as follows: Pkt., **10c**; ½ pt., **18c**; pint, **30c**; quart, **55c**, parcel post paid. Not prepaid, ½ pt., **15c**; pint, **25c**; quart, **45c.**

See Green Ink Price Sheet for quotation on Wax Bush Beans by the peck and bushel.

POLE OR RUNNING BEANS

CULTURE—Plant in May and June in rows 4 feet each way; 5 in a hill. Can be planted in corn or by poles, 8 feet high. One quart will plant about 200 hills.

Burger's Stringless Green Pod—The pods are large and fill perfectly, and in the "snap" stage are deep green in color, meaty, stringless and of the finest flavor. When allowed to ripen the shell beans of pure white are most excellent for winter use.

Golden Cluster Wax Pole—The pods, usually 7 inches or more in length, are meaty, entirely stringless.

Burger's Stringless Green Pod

Lazy Wife—An excellent variety for home use. Can be used for cooking green or shelled for winter. Pods are broad, thick and stringless.

Horticultural Pole—Oct. or Speck. Cranberry — A well-known variety, with beans of high quality, either green or dry. Also known as "Wren's Egg."

Kentucky Wonder or Old Homestead—It is almost needless to say anything about this great Pole Bean, for who has not grown it? The yield is great, the quality is good, and no bean is more sure of making a crop. It bears in 65 days from planting; should be kept picked so that it will continue bearing until frost. The beans are 6 to 12 inches long, tender and rich.

Kentucky Wonder or Old Homestead Pole Beans

Scotia or Striped Cornfield

Kentucky Wonder Pole Wax—Similar to green podded Kentucky Wonder. Broad fleshy, stringless pods of fine quality.

McCaslan Pole Bean—A comparatively new green-podded variety. The pods average 8 to 10 inches in length, are flat, slightly curved and of a rich green color, containing ten fine beans. Makes an excellent snap bean and the white-shelled beans are unsurpassed for winter use.

Red Speckled Cut Short—This variety is the best bean to plant in corn hills. It is hardy, late and is a heavy yielder.

Scotia or Striped Cornfield—This is the real Cornfield Bean that you have read so much about. If you want a bean to plant in your corn this is your one choice. It will produce the kind of results that you'll expect.

White Creaseback—Especially valuable on account of its earliness.

Prices of any of the above varieties of Pole or Running Beans uniform as follows: Pkt., **10c**; ½ pt., **20c**; pint, **35c**; quart, **60c**; parcel post paid. Not prepaid ½ pt., **15c**; pint, **25c**; quart, **50c.**

R.-H. Co's EARLY FLOWERING SPENCERS, SWEET PEA COLLECTION

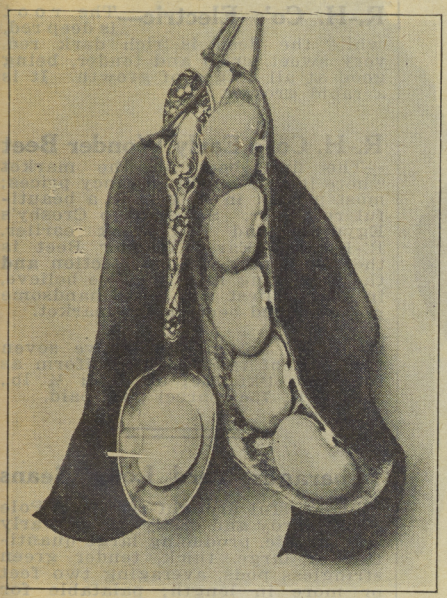
One packet each of the following eight varieties of Ea. Flowering Spencer Sweet Peas for only **75c** parcel post paid.

Early Flowering, All White, Pure White..
Early Flowering, Aviator, Deep Crimson.
Early Flowering, Amethyst, Royal Purple.
Early Flowering, Blue Bird, Violet Blue.
Early Flowering, Harmony, Clear Lavender.
Early Flowering, Rose Charm, Bright Rose.
Early Flowering, Rose Queen, Rosy Pink.
Early Flowering, Othello, Deep Maroon.

BUSH LIMA BEANS

One Quart Will Plant 200 Feet of Drill

CULTURE—Plant in May in light rich soil, in drills two feet apart, dropping the seeds about one foot apart in the row, and cover two inches.



Henderson's Bush Lima Beans

Burpee's Improved Bush Lima—Plants make perfect bushes from 18 inches to 2 feet high. They are sure croppers and immense yielders. Pods as large as those of the Pole Lima, and contain beans of the best quality.

Fordhook Bush Lima—An immense yielder, with handsome large pods.

Henderson's Bush Lima—An extremely early and very productive variety and is the first of the bush limas to come in. The beans are small but very tender and of a very fine rich flavor.

Woods Prolific Bush Lima—Same as Henderson Bush, but pods and beans slightly larger. Very prolific.

New Never Fail Bush Lima Beans—A very hardy easily grown variety, drought resistant, very early and prolific. If pods are kept picked will bear until frost. Dry beans can be used for winter.

Prices of any of the above varieties of Bush Lima Beans uniform as follows: Pkt., **10c**; ½ pt., **20c**; pint, **35c**; quart, **60c**; parcel post paid. Not prepaid, ½ pint, **15c**; pint, **30c**; quart, **50c**.

Prices on Bush Lima and Green Pod Bush Beans by the peck and bushel are quoted on Special Green Ink Price Sheet enclosed.

POLE LIMA or BUTTER BEANS

Plant in hills three to four feet apart each way, and two inches deep, allowing six seeds to each hill. When the plants are well established they should be thinned out to four. They are more sensitive to cold than Bush Beans and should not be planted before May.

Carolina or Sieva—This very early and reliable small seeded Pole Lima is especially adapted for planting in the South. The vines are vigorous, with many short branches. The leaves are small, smooth, stiff, glossy dark green. The pods are dark green, short, about three inches, curved, flat. Seed small, flat, white with slight tinge of yellow. This is sometimes called Sewee. It is the most generally known "Butter Bean" of the South.

King of the Garden Lima—Vigorous and productive. Beans of very large size; quality first-class.

Russell-Heckle's Monster Lima Bean—The best and largest Pole Bean in existence. The pods are gigantic in size, bearing in clusters. The beans are extra large, of a light green, with a very fine skin being tender when cooked. There are from five to six beans in a pod.

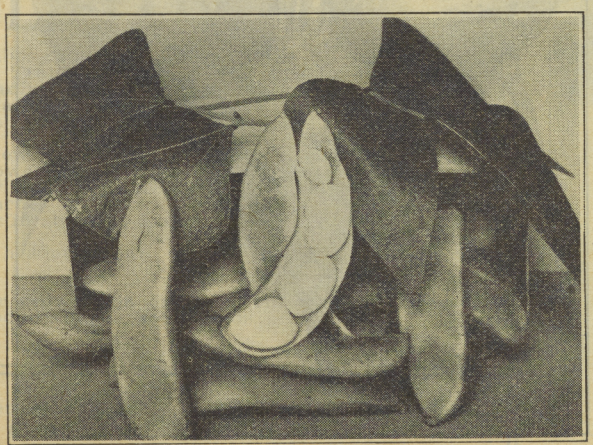
Large White Lima—One of the best shell beans grown; matures in ninety days; very popular.

Speckled or Calico Butter Beans—A mottled or speckled butter bean; no variety can equal them in bearing, and we know that you will like them.

Prices of any of the above varieties of Pole Lima Beans are uniform as follows: Pkt., **10c**; ½ pt., **20c**; pint, **35c**; quart, **60c**; parcel post paid. Not prepaid, ½ pt., **15c**; pint, **30c**; quart, **50c**.

In Your Home Garden

"Dig deep, manure well, work often." Thus Pliny the Elder, nearly 2,000 years ago, summed up gardening. His advice is good today.



King of the Garden Lima

EAT MORE BEANS

Beans of all kinds are one of the best and most nutritious forms of food for human beings. They are good green and good dry. They are of the easiest growth of any vegetable in the South. Grow more and eat more beans.

BEETS

CULTURE—For very early crop sow in hotbeds in January and February and transplant. Sow outside in drills from March to July, as desired, for medium, early or late crop. Drills 2 to 3 feet apart. Use a light, clean, free deep soil. One ounce will sow 50 feet of drill.

Crosby's Improved Egyptian—

We recommend Crosby's Egyptian as a combination of earliness, good shape, good color and good quality. It is not as flat as Extra Early Egyptian nor as round as Eclipse—these varieties are its rivals in earliness. The color is bright red with bright vermillion-red flesh, very sweet and tender. It has the advantage of being fit for use earlier than most beets, as it takes on its turnip shape at a very early stage of its growth. The tops and tap root are both small.

Early Eclipse—

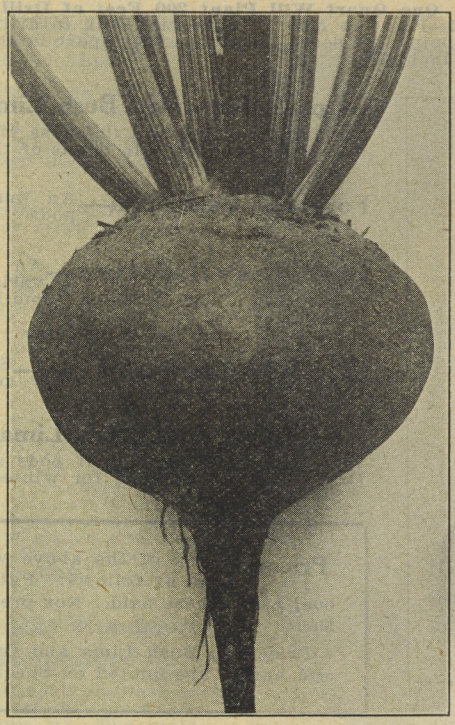
An early beet especially desirable for the home garden and used for bunching. The tops are small. The roots are bright deep red, smooth, round or slightly top shaped, with a small tap and small collar. The flesh is bright red zoned with pinkish white, very sweet, crisp and tender.

Early Blood Turnip—

It is distinctly a beet that will please you. A beet that has the approval of the most discriminating gardeners everywhere. The roots are medium sized round, of dark red color and fine flavor. Matures in about 45 days.

Detroit Dark Red—

Here is a beet you will like, whether you grow for home use or market. Almost globe shaped with small tops and tap root, very smooth and of dark blood-red color without light rings. A good beet for both early and late planting. The quality is fine; for canning it has no superior.



Crosby's Egyptian Beet

Improved Long Dark Blood—

Flesh tender and sweet.

R.-H. Co's Electric—

The root is deep red, while the flesh is rich dark red, very sweet, crisp and tender, being good at all stages of growth. It is a rapid grower.

R.-H. Co.'s Early Wonder Beet

—The first beet on the market where it will command fancy prices; most perfect in shape and a beautiful red color. Superior to Crosby's Egyptian and one week earlier. R.-H. Co's Early Wonder Beet is the result of years of selection and the improving resulting, we believe, in the earliest and most handsome globe-shaped beet on the market.

Prices of any of the above seven varieties of table beets uniform as follows: Pkt., **5c**; oz., **15c**; ¼ lb., **35c**; 1 lb., **75c**; parcel post paid.

Asparagus Yard Long Beans

A wonderful drought-resisting Pole Bean, hardy and easily grown, early and prolific, producing large quantities of large, thick, tender green stringless pods, averaging two feet or more in length; palatable for snap shorts, boiling, baking, soup, etc. Culture the same as for ordinary Pole Beans; vines run ten feet or more. Pkt., **15c**; 2 pkts., **25c.**

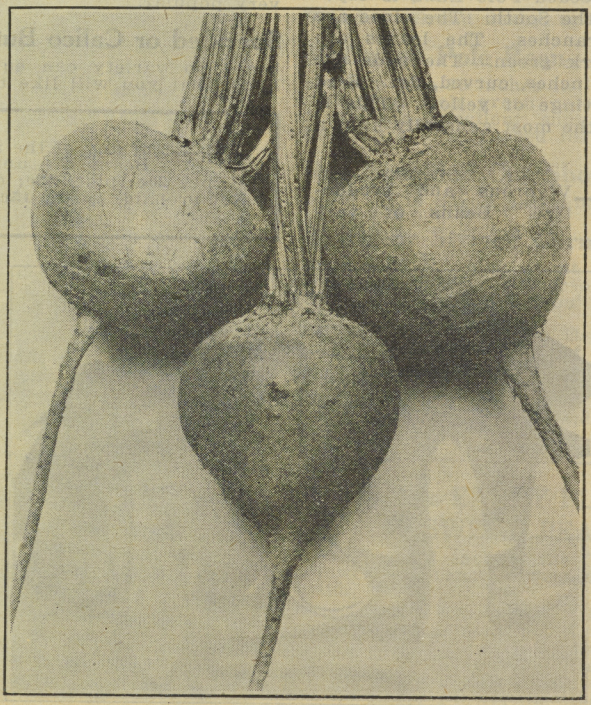
Russell-Heckle Seed Co., Memphis, Tenn.

Kind Sirs: Please send me your new 1925 catalog if it is finished. I want to order some onion seed, also cabbage and spinach seed. Send me a Brownie Calendar. As ever a satisfied customer,

Mrs. W. M. Davidson, Cooper, Texas.

Good health and bad is largely a matter of eating. It depends on what we eat and eliminate or discharge from the digestive tract. Out of what we eat our digestive organs select the part the body requires to keep it going. If we eat the right combination of food and regularly discharge the part our bodies do not need, we feel tip top—can do our work much easier and quicker than when we have eaten the wrong combinations, then the body becomes clogged with the part we do not need. This causes headaches, backache, laziness and all kinds of troubles.

Root crops, such as beets, carrots, parsnips, turnips, salsify, take the place of hay, hulls and grass for folks. Also Irish and sweet potatoes, cabbage, lettuce and other green foods are an absolute necessity. At least two of these vegetables should be a part of every meal and the variety is large enough to have a new one at every meal each week. These crops are not only necessary for health, but greatly reduce the grocery bill and total cost of feeding the family. You neglect your own best interest if you do not grow or buy and have these vegetables to eat every day at every meal.



R.-H. Co.'s Early Wonder Beets

Russell-Heckle's Service

Trade comes either through service, quality, convenience, friendship or price. But the greatest of these is service. None of the others count for much if cordial, friendly service is lacking.

Helpful service is our constant aim.

Golden Tankard Mangel Wurzel

BEETS—Mangels and Sugar

Use for Feeding Cattle—Sow Five Lbs. Per Acre

CULTURE—Sow in April and May in thoroughly plowed, well-manured soil, in drills 2 inches deep and about 18 inches apart. Thin out to 12 inches and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel or stock beets. An ever-increasing acreage is being planted for stock beets.

Fattening, breeding and milk cattle do equally well on them. About one-fourth of the daily rations should be of roots. Hog cholera is prevented by their use.

Golden Tankard Mangel Beet—Small top, smooth, rich skin, broad shoulders, very solid fleshed, golden stemmed, heavy producer.

Long Red Mangel Beet—The well-known, large, long variety; grows well out of ground. Color light red. Very productive.

Giant Feeding Sugar Beet—A large growing sort, and used for feeding stock.

Klein Wanzleben Sugar Beet—Extensively grown for making sugar; the average yield is from 15 to 20 tons per acre with about 18 per cent sugar.

Prices: Any of the above Mangels and Sugar Beets uniform as follows: Pkt., **5c**; oz., **10c**; ¼ lb., **25c**; 1 lb., **50c**; parcel post paid.

CARROTS

CULTURE—Sow from February to September in light, deep, rich soil in drills 12 inches apart; plants should stand 5 inches apart in the rows; fertilize well. One ounce of seed to 100 feet of drill; 4 pounds to the acre.

Prices: Any of the 4 varieties listed of Carrots uniform as follows: Pkt., **5c**; oz., **15c**; ¼ lb., **35c**; 1 lb., **$1.00**; parcel post paid.

Danver's Half Long—Rich, dark orange colored, good quality.

Early Scarlet Horn—Very early, with small top; roots about 3 inches long, rather blunt rooted; color orange-red.

Half-Long Scarlet—One of the best for home or market.

Improved Long Orange—Long and tapering; deep orange.

CAULIFLOWER

CULTURE—Cultivate like cabbage. Sow in January or February for early crop; May or June for late. Transplant to rich, moist soil; manure heavily and water freely. When heading begins, fasten leaves over top of head to whiten. One ounce of seed makes 2,000 plants. We handle only the very best quality seed that will make a head.

Early Six Weeks—This new cauliflower has overcome most obstacles of cauliflower as well as removing practically all the elements of failure. It is early in maturing. Produces a solid attractive head of large size, running ten inches or more in diameter. It is of fine flavor, tender and luscious. Matures in about 95 days.

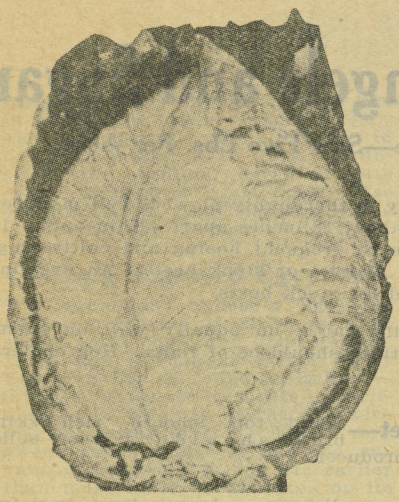
Early Snowball—A sure header; large, solid, perfectly white and good quality.

Dry Weather—Adapted for growing in dry locations when other varieties fail. It produces large, solid heads.

Prices: Any of the 3 varieties of Cauliflower shown uniform as follows: Pkt., **10c**; oz., **$1.50**; ¼ lb., **$4.00**; parcel post paid.

Danver's Half Long Carrot

CABBAGE



Charleston or Large Type Wakefield

CULTURE—Cabbage is a very gross feeder, and well repays heavy manuring and high culture. It succeeds best on well-drained soil. The plants are started in frame or seed bed, and afterward transplanted. Seed for early cabbages may be started in autumn in a cold frame, or in early spring in a hot bed. For

Charleston or Large-type Wakefield—The one big advantage of our Charleston is the greater size, where large-sized cabbages are wanted either for market or private use. It is fully one-third larger than the Jersey Wakefield and therefore more popular with many. Heads are solid, pointed and is a heavy yielder. You can expect the finest and largest heads from our strain of our Charleston Wakefield.

Early Jersey Wakefield—Long recognized as the best earliest marketable cabbage. In size, medium; in shape, pyramidal with pointed peak. Its uncommonly fine heading qualities, together with its fitness for wintering in cold frames, pleases the most critical gardeners. Our strain of seed is of superior quality and Long Island grown stock.

Copenhagen Market—The earliest round head or flat cabbage yet introduced. The heads are exceptionally large and it has a very short stem and few outer leaves—a most excellent sort for home gardeners. On account of extreme earliness, being almost as quick maturing as Charleston Wakefield, it is destined to become one of the leading sorts grown, as a flat cabbage fills barrels or crates faster than sharp head cabbage and will yield the grower more returns. We predict for Copenhagen Market an extensive cultivation. Our stock of this is from one of the best Denmark growers.

All Seasons—One of the largest and a thoroughly satisfactory second early sort. Plants are vigorous, sure heading; leaves large and smooth. This is a first class sort both for early and late planting and is especially adapted for kraut. It is well adapted to stand the hot sun and adverse conditions.

Early Spring—Probably the earliest of flat-headed varieties. A profitable cabbage to grow, as it heads early, has a short stem forming a round somewhat flat head quickly.

Improved Early Summer—Solid round head; comes in just after Wakefield.

Early Dwarf Flat Dutch—It is a large cropper and a dependable header. A short stemmed variety. Belongs to the second earlies. Matures in about 110 days. Grows compact and upright. Leaves few and short. Flat round, solid heads, which are very large for size of plant.

Surehead—Produces large, round flattened heads. The heads are remarkably uniform, very hard, firm and fine in texture; sweet flavor and has but few loose leaves. Keeps well.

Early Drum Head—One of the best second early varieties; large, deep heads; solid, uniform in color, size and shape.

All-Head Early—Early, large, flat, solid-headed, very early for its size, few outside leaves, consequently can be planted closer together than other large cabbages. A very reliable sort and well named.

Prices: Any of the above ten varieties of Cabbage Seed uniform as follows: Pkt., **5c**; 1 oz., **35c**; ¼ lb., **75c**; 1 lb., **$2.50**; parcel post paid.

R.-H. Co.'s Early Eureka

Wilson, N. C., March 11, 1924.

Russell-Heckle Seed Co.,
Memphis, Tenn.
Gentlemen:

Please ship me C.O.D. two more hundred pounds of your Miller's A1 Ration. I have been feeding my dogs the other that you shipped me and they seem to like it fine and look one hundred per cent better too. It seems to be a fine dog feed and I expect to keep feeding it to my dogs.

Hoping to hear from you real soon, I am
Yours very truly,
J. B. Munford, 710 Academy St.

Spray grapes with Bordeaux Mixture as soon as the flowers have dropped and the fruit set. To protect from birds and to prevent rot, bag the grapes when the berries are about the size of okra seed. Use No. 2 manila bags for the Delaware and the other small bunch varieties and the No. 3 bags for the Niagara, Concord and the other large bunch sorts. Make a slit in the bottom of the bag for drainage, and then slip the bag over the bunch and fold the corners over and fasten with a pin.

Cultivate the grapes throughout the growing season.

R. H. Co.'s Early Eureka—Its great value lies in its being a first early flat cabbage, a type much preferred over the pointed heads by many. It is of the "Allhead Early" type, resembling it in habit of growth, but smaller and is nearly as early as the Wakefield. The heads have very few outside leaves, and these are small and grow so close to the head that they can be planted very close together. It is round in shape, slightly flattened, very solid even before the cabbage attain their mature size.

Packet, **10c**; oz., **75c**; ¼ lb., **$2.00**; lb., **$7.50**; parcel post paid.

CABBAGE

main crop, summer and autumn cabbage, the seed should be sown in a rich border in the open air, in May or June. Sow shallow; a packet will produce about 250 plants, an ounce 3,000 plants; ¼ pound for an acre. Set plants 1½ by 3 feet apart.

Succession—A sure heading second early round-headed sort. Comes in a few days after Early Summer, and makes a larger head. It is grown largely by both market gardeners and amateurs. Matures in about 110 days. Heads are ready for use long before it has fully matured. Heads round, slightly flattened.

Large Late Drumhead—Rounder than Flat Dutch, and not quite so short stemmed. Good, large heads.

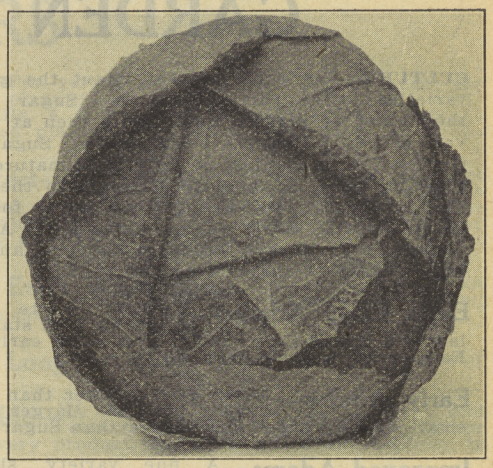
Late Flat Dutch—Sure header, producing large, round, solid heads, flat on the top, of low growing habit, and few outer leaves.

Large Drumhead Savoy—The best and largest heading of the Savoy Cabbage. Few people seem to know the delicious flavor of Savoy Cabbage. It is far superior to the flat-leaved sorts, and as tender as cauliflower after frost.

Mammoth Red Rock—By far the best, largest and hardest heading red cabbage in cultivation; very uniform in size, weight, solidity and deep red color. The heads grow to weigh 10 or 12 pounds.

Chinese or Celery Cabbage—See page two for description and price.

Prices: Any of the five varieties of Cabbage listed and described on this page uniform as follows: Pkt., **5c**; oz., **25c**; ¼ lb., **75c**; 1 lb., **$2.00.**



Succession

CELERY

Sow in beds in February or March and keep well watered. Transplant from July to October to moist, mucky soil; six inches apart in 12-inch rows. Earth up two or three times. Cover with straw from severe weather, with boards on top. One ounce of seed produces 2,000 plants.

Golden Self-Blanching—Early, large, crisp, solid, good flavor.

Giant Pascal—This is a green leaved variety. It bleaches very quickly after earthing up and is a beautiful yellowish white color; very solid and crisp, and of a sweet flavor.

Easy Blanching—Early; stalks and foliage blanch with little banking.

Henderson's White Plume—One of the best for early use; handsome; good quality; blanches easily.

Prices: Any of the four varieties of Celery on our list uniform as follows: Pkt., **5c**; 1 oz., **25c**; ¼ lb., **75c**; 1 lb., **$2.50**; parcel post paid.

Collards Georgia White Cabbage

COLLARDS

CULTURE—This is a variety of cabbage largely grown in the South. Sow seeds in May, August to September.

Georgia White Cabbage—Called Cabbage Collard on account of its close, bunching growth. Pkt., **5c**; oz., **15c**; ¼ lb., **40c**; 1 lb., **$1.00**; parcel post paid.

Southern, or Georgia—The old-fashioned kind, known for a hundred years or more. Pkt., **5c**; oz., **15c**; ¼ lb., **40c**; 1 lb., **$1.00**; parcel post paid.

CRESS, OR PEPPER GRASS

One Ounce Will Sow About 15 Square Feet

Curled, or Pepper Grass—Pkt., **5c**; oz., **20c**; ¼ lb., **50c**; lb., **$1.25**; parcel post paid.

CHIVES

Their green tops, which appear in early spring, are used wherever the flavor of onions is desired. They are entirely hardy. Pkt., **10c**; oz., **50c.**

CHERVIL

Used for flavoring or garnishing. Sow in early spring in rich soil, and when plants are large enough, transplant to a foot apart. **Price:** Pkt., **10c**; oz., **35c.**

CHICORY

Sow in April and transplant in May in trenches one foot deep. Valuable as a salad as well as a vegetable. Pkt., **10c**; oz., **30c**; ¼ lb., **75c**; parcel post paid.

CORN SALAD, OR FETTICUS

One Ounce Will Sow About 18 Square Feet

Sow in September or October. Large, round-leaved. Pkt., **5c**; oz., **15c**; ¼ lb., **35c**; 1 lb., **$1.25**; parcel post paid.

PRICES

Account catalog going to press before Spring market has been established on all field seeds, we are unable to quote quantity prices. For current prices see Special Green Ink Price Sheet enclosed.

GARDEN AND SWEET CORN

CULTURE—For early market, plant the garden varieties latter part of March. Sugar Corns should not be planted until April, then at intervals of two weeks for a succession. Sugar and Garden Corns planted in July will mature late roasting ears. Plant 4 to 8 quarts to the acre. The garden varieties listed below are as follows: Early Surprise, Early Adams, Extra Early Adams, Elam's Early Market, Truckers Favorite, and Improved Adams. Plant these first.

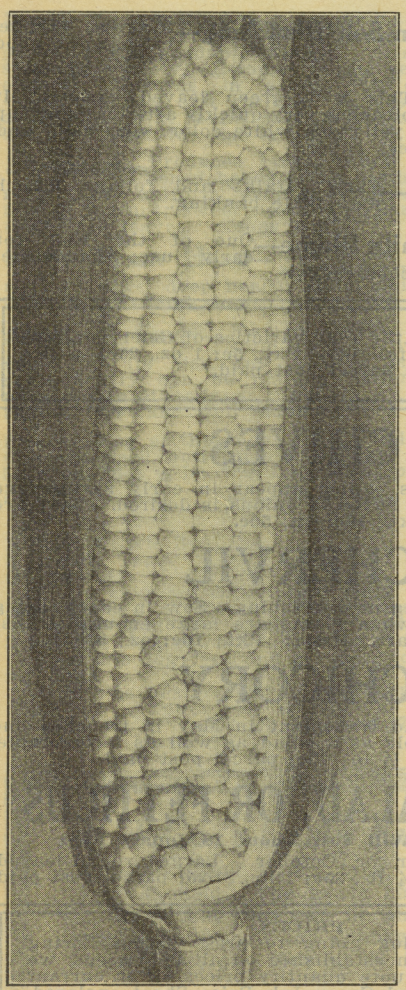
Extra Early Adams—Earliest white corn; small ear and stalk. It is not a Sugar Corn, but is grown for early use. Ears short; kernels very white.

Early Adams—About a week later than Extra Early, but has larger ears; small stalks; earlier and hardier than Sugar Corn.

Improved Adams—A fine variety, slightly larger than Early Adams and one week later. Sells well on account of the size of the ear.

R.-H. Co.'s Early Surprise—A splendid corn, coming in directly after Adams' Early, but much larger. Has a white, soft grain.

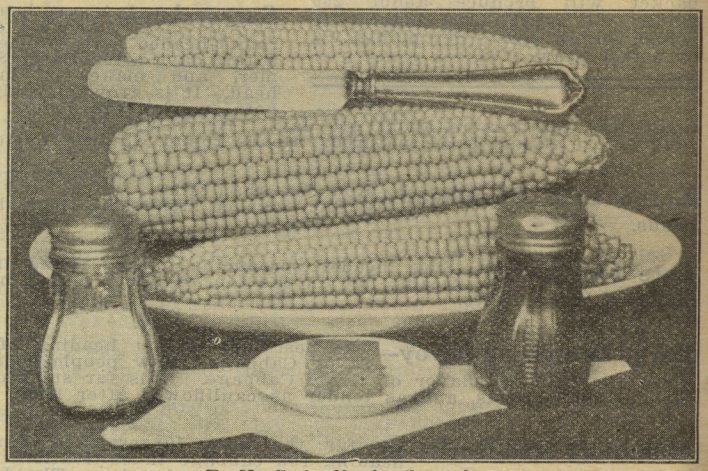
Trucker's Favorite—For a second early corn to follow Adams Early, or for late-planting to mature early, this is a good sort. It is a white corn, with good depth of grain, tender and sweet, and makes most desirable size for roasting ears. In addition to being a fine garden corn, it makes an excellent field corn to plant late.



Golden Bantam Sweet Corn

Elam's Early Market—This corn is positively one of the earliest of the very large eared Garden Corns; ears measure 10 to 12 inches. It matures in about 65 days. In color the ears are pure white; very luscious, tender and palatable. No matter what other varieties you try, be sure and plant this variety. Don't forget two crops can be matured in a season with Elam's Early Market. July planting will make an excellent, large ear.

Golden Bantam—Extra early, sweet, tender and delicious. Is becoming each year more popular because of its extreme early character, vigorous growth and delicious flavor; the stalks are dwarf in habit, growing to a height of four feet, and can be planted close together in the row. They bear two or three good small ears to the stalk.



R.-H. Co.'s Early Surprise

Golden Giant Sweet Corn—**As Good as Golden Bantam to Eat and Very Much Larger**—That sentence will describe Golden Giant to you in the best way. You know how tenderly delicious and sweet Golden Bantam is.

Howling Mob—One of the finest second early, large eared sorts; very productive, white, and of excellent quality. Ears 9 to 10 inches long. 16-rowed.

Country Gentleman—Small cob; long, slender, white grains, which are very sweet.

Black Mexican—Well known and a favorite in a great many home gardens, the kernels having a decidedly bluish tinge when ready to eat, later turning to black. It is one of the sweetest varieties in cultivation.

Stowell's Evergreen—The standard and best known Sweet Corn. Ears 8 to 9 inches long, 16 to 18 rowed, with a very deep, sweet grain.

Mammoth Sugar—The Mammoth ears are thick through, with many rows of large, broad grains of excellent quality.

Borden's Wonder Bantam Sweet Corn—A selection from Golden Bantam, being larger and superior in every way. It's as good as Golden Bantam to eat and really looks like you have an ear of corn before you when eating Borden's Wonder Bantam. We are sure you will be delighted with this new corn.

Coldwater, Miss.
April 16, 1924.

Russell-Heckle Seed Co.,
Memphis, Tenn.

Gentlemen:

The plants received this morning, and I think that when one sends out such plants as these they should be told about it; they are the finest I ever saw, however I have been getting plants from you for several years, and you have always sold me nice healthy plants. I thank you very much for this service.

Yours truly,
HARRY CALLICOTT.

Prices: Any of the above varieties of Garden and Sweet Corn uniform as follows: Pkt., **10c**; ½ pint, **25c**; pint, **35c**; quart, **55c**. Parcel post paid. Not prepaid ½ pint, **20c**; pint, **30c**; quart, **45c**.

CUCUMBERS

Early Fortune

Early Fortune—One of the best selections of the White Spine type, is becoming very popular among the market men of the South.

CULTURE—For very early crop plant in hot beds; for later crop plant from April to July, in rich, well-manured hills, 4 feet apart, 10 seeds in hill; thin to two or three plants. One ounce to 50 hills.

Davis Perfect—Possesses all the merits of the best slicing varieties; wonderfully uniform in shape and exceedingly productive. Their handsome shape and fine dark green color commands the highest price on the market.

Improved Early White Spine—An improved strain of the White Spine; good for forcing or outdoors.

Improved Long Green—A fine bearer of superior quality.

Jersey Pickle—A favorite with pickle growers and commercial market gardeners; good for table use; very productive. Fruit small and uniform in size.

Japanese Climbing—This is a strong and vigorous grower, fine for pickling.

Gherkin or Burr—Used only for pickling.

Early Green Cluster—A very popular early cucumber, producing its fruit in small clusters near the root of the plant. Average length is about 5 inches, skin prickly, flesh white, seedy, tender and well flavored.

Prices: Any of the eight varieties of cucumbers shown here uniform as follows: Pkt., **5c**; oz., **15c**; ¼ lb., **35c**; lb., **$1.25.** Parcel post paid.

DANDELION

The Dandelion resembles Endive, and affords one of the earliest as well as one of the best and most healthy Spring green. Pkt., **10c**; oz., **50c**; ¼ lb., **$1.50.** Parcel post paid.

DILL

An annual of aromatic odor and warm pungent taste. Its seeds are used for seasoning, but its largest use is for making Dill pickles. Pkt., **5c**; oz., **15c**; ¼ lb., **40c**; 1 lb., **$1.25.** Parcel post paid.

EGG PLANT

CULTURE—Sow in February or March. When 2 inches high transplant to pots or good rich soil, and in May to 3-foot rows in deep, rich loam. One ounce of seed will produce 1,000 plants.

Black Beauty—This is the earliest and best of all large fruited Egg Plants. The large fruits are thick and of the most attractive form. The skin is a rich, lustrous purplish black, and it is entirely free from spines or thorns.

New York Improved Purple—The old standard variety.

Florida High Bush—Stands heat well; the fruit is round, smooth and very large, color bright purple.

Prices: The three varieties of Egg Plant Seed uniform as follows: Pkt., **5c**; oz., **45c**; ¼ lb., **$1.25**; lb., **$4.25**; parcel post paid.

Black Beauty Egg Plant

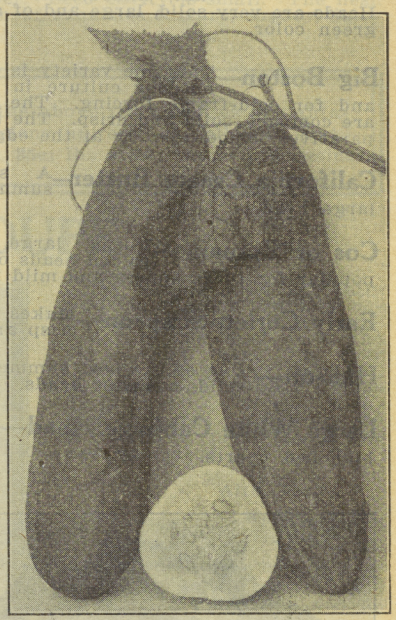
REMEMBER

A good garden should contain a variety of vegetables.

The various kinds in our book are selected for this locality.

ENDIVE

CULTURE — One Ounce Will Sow 200 Feet of Drill—Sow about the middle of May, and for succession in June and July. When the plants are two or three inches high, thin them out or transplant into moderately rich and rather light soil, one foot apart. When nearly full grown, and before they are fit for the table, they should be blanched by tying the leaves loosely together.



Early Green Cluster

Green Curled—The hardiest variety; beautifully curled. Pkt., **5c**; oz., **25c**; 2 oz., **40c**; ¼ lb., **75c**; 1 lb. **$2.00**; parcel post paid.

Broad Leaved Batavia—(Escarolle) Leaves long and broad, thick and succulent. One of the choicest salads. Pkt., **5c**; oz., **35c**; ¼ lb., **$1.00**; lb., **$2.50**; parcel post paid.

GARLIC

The sets should be planted either in early Spring or Fall in well-enriched soil, the rows 1 foot apart, and about 3 inches between the plants in the row. Harvest same as onions. Sets: ¼ lb., **20c**; 1 lb., **50c**; parcel post paid.

GOURDS

DIPPER GOURDS—Pkt., 5c.
NEST EGG GOURDS—Pkt., 5c.
SUGAR TROUGH—Pkt., 5c.
DISH RAG, or LUFFA—Pkt., 5c.
ORANGE GOURD—Pkt., 5c.
HERCULES CLUB—Pkt., 5c.

KALE

CULTURE—Sow from 2 to 3 pounds to the acre, one ounce to 200 feet of drill. Make excellent greens for spring and winter use. Sow in March or September in drills or broadcast.

Dwarf Green Curled—Very hardy; leaves curled. The best variety for Fall sowing. Stands all Winter. Pkt., **5c**; oz., **10c**; ¼ lb., **30c**; 1 lb., **60c**. Parcel post paid.

Tall Curled Scotch—A beautiful curled tall growing variety. Also fine for spring planting. Pkt., **5c**; oz., **15c**; ¼ lb., **35c**; lb., **75c**. Parcel post paid.

KOHL-RABI

Early White Vienna—This is the best and earliest variety for table use. Pkt., **5c**; oz., **25c**; ¼ lb., **75c**; 1 lb., **$2.50**. Parcel post paid.

HERB SEED

Parcel post paid.

	Pkt.	Oz.
BASIL, Sweet—For flavoring soups	$0.10	$0.50
DILL, Mammoth—Used for flavoring pickle	.10	.15
LAVENDER—Used for its odor	.10	.80
MARJORAM, Sweet—Used in seasoning meats	.10	.40
ROSEMARY—For seasoning meats and soups.	.10	.70
SAVORY, Summer—Used as a culinary herb	.10	.70
SAGE, Broad Leaved—A popular flavoring plant	.10	.50
THYME—Much used for seasoning	.10	.60

HORSE RADISH

Plant in rows 18 inches apart, putting the sets 1 foot apart. Doz., **40c**; 100 for **$2.50**. Parcel post paid. Not prepaid: Doz., **30c**; 100 for **$2.00**.

LEEKS

London Flag—Broad leaves, of strong and vigorous growth. Pkt., **5c**; oz., **20c**; ¼ lb., **60c**; 1 lb., **$1.75**. Parcel post paid.

LETTUCE

CULTURE—One ounce will produce 3,000 plants. For early use sow under glass in January or early February, and transplant as soon as the ground can be nicely worked. Sowing may be made in the open ground from April to middle of August, every 2 or 3 weeks for succession.

All Seasons—One of the best head lettuce; stands the hot, midsummer sun without burning. Heads are very solid, large and of a most desirable light green color.

Big Boston—This fine variety is extremely popular for outdoor culture in the Spring and Fall, and for cold-frame forcing. The large flattened heads are compact, solid and crisp. The broad leaves are comparatively smooth, wavy at the edge, thin and crisp.

California Cream Butter—A splendid variety for summer. Produces very large head.

Cos or Romaine—Forms large, light green, well-folded heads of upright growth and popular for its crispness and mild flavor.

Early Curled Simpson—Makes a curly loose head; crisp and tender.

Hanson—One of the best summer lettuce. Has large, solid, compact heads.

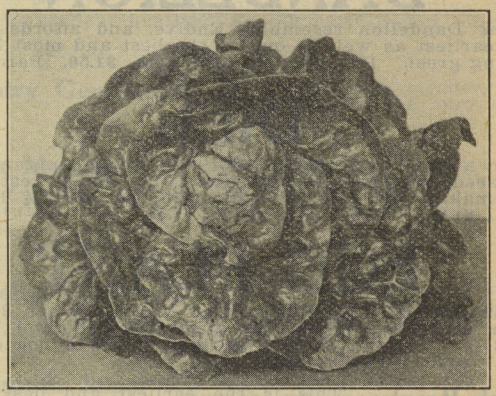
Large White Cabbage Head—Makes fine large, solid heads with blanched hearts.

Mignonette—Small, solid heading; never fails. The flavor is fine and the leaves crisp.

Wonderful or New York Lettuce

Prize Head—Solid heading, leaves edged with reddish brown.

Prices: Any of the nine varieties of Lettuce described above uniform as follows: Pkt., **5c**; oz., **25c**; ¼ lb., **75c**; lb., **$2.00**. Parcel post paid.



Big Boston

Russell-Heckle's Big 25c Collection of Garden Seeds

at regular prices these seeds would cost you 50c. Send us 25c and we will mail you one packet each of the following varieties of our Top Notch Garden Seeds—

No. 1 Beans—Early Red Valentine.
No. 2 Beans—Ky. Wonder Pole.
No. 3 Beets—Crosby's Egyptian.
No. 4 Carrots—Improved Long Orange.
No. 5 Lettuce—Big Boston.
No. 6 Mustard—Southern Giant Curled.
No. 7 Radish—Ea. Scarlet Tip White Top.
No. 8 Turnip—Large White Globe.

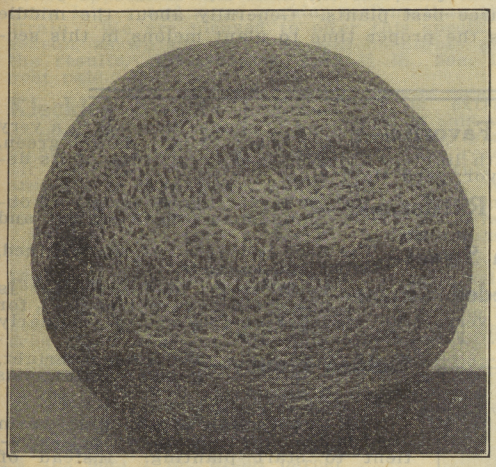
Our packets are well filled with the best quality of seeds. At the above special prices we cannot allow any change whatever in any of the assortments.

Wonderful or New York—This splendid mammoth heading and long-keeping variety has been grown to weigh 3 lbs. to the head. Heart is solid, of light green color, very sweet, tender and crisp. Pkt., **10c**; oz., **35c**; ¼ lb., **$1.00**; 1 lb., **$3.00**. Parcel post paid.

MUSK MELON OR CANTALOUPE

CULTURE—Plant in hills 5 feet apart in light, rich soil, well manured; 10 seeds to hill; thin to 4 plants. Cultivate well. Pinch off ends of vine as they begin to blossom, which will increase the yield. One ounce to 60 hills.

For borers or worms spray as soon as blossoms appear with Bordo Arsenate and add Blackleaf 40.



Mammoth Rocky Ford

Acme, or Baltimore—One of the best of cantaloupes for main crop. The flesh is thick, of a beautiful deep rich green.

Banana—Long, shaped like a banana; has a most delicious flavor.

Early Green Nutmeg—An early variety of medium to a small size; nutmeg in shape and thickly netted.

Honey Dew Melon—A splendid new variety; rind dull white when ripe. The flesh is a rich green, very sweet and delicious flavor. The average size is about six inches in diameter and they weigh five to six pounds. The skin is smooth with little netting.

GREEN FLESH HONEY DEW
PINK MEAT HONEY DEW.

Mammoth Rocky Ford—The general type of this melon is similar to the regular Rocky Ford, but they grow somewhat larger in size, making it a splendid variety for market.

Pink Meat Rocky Ford—This variety is quite similar in appearance to an Eden Gem type of Rocky Ford, being beautifully netted, but the flesh is pink. Its shipping qualities are excellent, quality all that can be desired.

Rocky Ford—One of the most popular. Just right size for restaurant and hotel service; flesh is green, thick, and lusciously sweet. It is netted and ribbed and ripens early.

Tip Top—Nearly round, deeply ribbed, moderately netted; flesh is bright salmon, thick and of good flavor.

Ohio Sugar—This is an absolutely distinct and very superior Melon. It is one of the sweetest and most luscious green-fleshed cantaloupes now on the market. Of desirable size, round, inclined to oval in shape, distinctly ribbed and thickly netted—color of skin gray-green. Because of its firm flesh and solidity, it is a splendid shipper. Seed cavity is small. The flesh is an attractive green of exquisite texture, sugary, juicy and tender.

For Fall Planting

COLD STORAGE POTATOES

We will have Lookout Mountain, Red Triumph and Irish Cobbler Seed Potatoes in cold storage for late planting, in July and August. Write for prices in June and July.

Prices—Any of the above ten varieties of Cantaloupe or Musk Melons uniform as follows: Pkt., **5c**; oz., **15c**; ¼ lb., **35c**; lb., **$1.00**; parcel post paid.

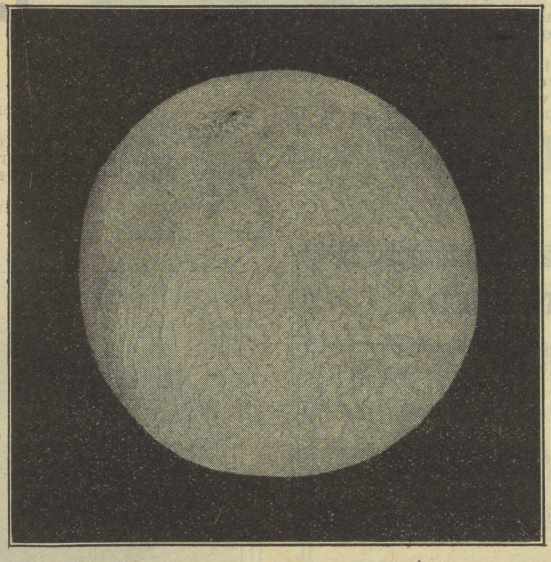
HONEY BALL CANTALOUPE

The Honey Ball is the result of crossing the Texas Cannon Ball Cantaloupe and the California Honey Dew Melon. The originator spent several years in scientific seed breeding and experimental work in an effort to combine the good qualities of these two melons to overcome their faults.

The breeding and selection have been so carefully followed out that a most perfect melon has been perfected. The Honey Ball matures about the same time as the Rocky Ford types, approximately 105 days; it averages a little larger than the Rocky Ford. It is as round as a ball and has a very thick wall of delicious greenish yellow meat clear to the rind which is as sweet as honey, as the name implies.

In flavor and lusciousness they are simply great, no other variety can compare with that wonderful sweet delicious flavor. The color of the rind is greenish-white until it is fully ripe when it turns to a creamy white with a slight netting. Eat a Honey Ball and you will say "Oh Boy—Ain't we got fun."

Honey Ball is wonderfully prolific, producing as many as 25 melons on a vine, therefore, it is a money maker for the trucker. For home use the melon should be pulled before they are fully ripe and stored a few days before using. Honey Ball cantaloupe is the best ever, the sweetest thing you ever tasted, stands dry weather, stays firm and is really a wonderful melon. Our seed is direct from the originators, do not fail to plant some the coming season.



Honey Ball Cantaloupe

Alto, Texas.

Aug. 11, 1924.

In regard to Nicholson's Honey Ball Cantaloupe, although I have grown them but one year I find them to be far superior to the common varieties in many respects: First—the Honey Ball Melon has a very delicious flavor and is popular with the public and of course, this makes it a good seller when the market is flooded with other kinds of melons. The Honey Ball will keep from one to two weeks after pulling. They also make a good yield per acre and have very little seed space in them.

(Signed) W. H. Dickey.

Price: Pkt., **15c**; 2 pkts., **25c**; oz., **50c**; ¼ lb., **$1.50**; 1 lb., **$4.75**; parcel post paid.

Kleckley's Sweet Watermelon

RUSSELL-HECKLE'S

WATERMELONS

CULTURE—One ounce to forty hills; three or four pounds to the acre. Drop in the middle of Spring, in hills six to eight feet apart, six to ten seeds, one inch deep, and thin to three best plants. Generally about the middle of April is the proper time to plant melons in this section.

New Wonder—Introduced in the South last year, resembles Kleckley Sweets, but grows to a larger size; the bright red flesh is deliciously sweet and melting. The introducer claims it is the melon of quality, the sweetest of them all.

"Irish Gray" Watermelon—**(Also called General Pershing)**—The size of this melon is uniformly large and it closely resembles Kleckley's Sweets except the color, which is a yellowish gray. Flesh is very sweet and firm, without hard center, brilliant sparkling red. Rind almost as tough as a citron, making a grand shipper. Earlier than Tom Watson, Irish Gray has instantly met with universal favor.

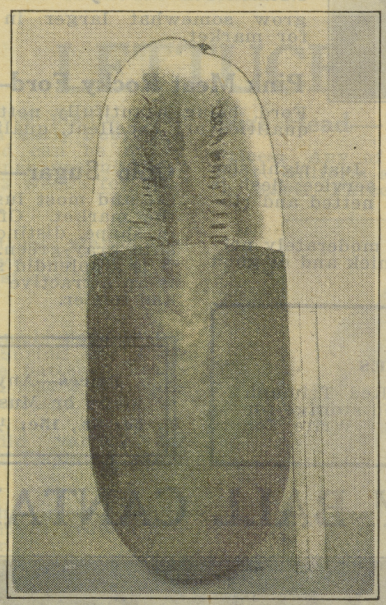
Tom Watson—Long, green and very prolific. The melons are uniformly large, running from 30 pounds to 40 pounds. The flesh scarlet, of extra fineness and sweetness, entirely stringless, fairly melts in your mouth. The rind is exceptionally strong, making it an excellent shipper.

Kleckley's Sweet—The best melon grown. Oblong, very large, dark green, faintly striped, very sweet, entirely stringless; very prolific.

Halbert Honey—The melons average eighteen to twenty inches long and are full or bluntly rounded at both ends. The skin is a dark glossy green. The flesh is a beautiful crimson, the rich coloring and luscious quality extending to the thin rind.

Black Diamond—Immense in size, and grows to average 70 to 90 lbs.; rich dark green, uniform, round to oval shape; flesh deep red, of fine quality.

Bradford—This excellent shipping melon is one of the leading sorts grown by Texas and other Southern Melon Growers' Associations and extensively individual growers. The rind is dark green marked with a still darker green mottled stripe, and while thin it is very tough, making the melon a first-class shipper. The flesh is bright red, fine grained, sweet and luscious, entirely stringless and very firm. The seeds are white, slightly tipped with brown, and are firmly set in small cavities near the rind.



New Wonder Watermelon

Florida Favorite—Oblong in shape, growing to a very large size; rind dark green, striped with lighter; highly prized on account of its delicious flavor; seed light color.

Georgia Rattlesnake—A large striped variety of oblong shape; flesh scarlet and of superior quality.

Alabama Sweet—The flesh is bright red, fine grained, sweet and luscious.

Red Seeded Citron—Fruit round and smooth. Is not eaten raw, but is used for making a very clear, transparent preserve of peculiarly fine flavor. Flesh white and solid.

Golden Honey—The flesh is bright, golden yellow, as sweet as sugar.

With the coming of the first warm days in the early spring we get impatient to start planting. Instead of rushing our seed into half prepared soil, we should continue to pulverize the soil. Kill the weeds and grass that germinate with the first warm days. We almost invariably have a cold snap that retards the crop. We should get our soil in good condition. Let the soil get warm before planting.

Prices: Any of the above twelve varieties of Watermelon seed uniform as follows: Pkt., **5c**; ¼ lb., **25c**; 1 lb., **75c**; parcel post paid.

PURE MELON SEED

When you plant watermelon or cantaloupe seed for market, it is absolutely essential that you have good melon seed. You cannot take chances on getting ordinary or "cull" seeds and mixed seeds. Absolutely no melons are shipped or sold from our seed crops and separate varieties are grown far apart.

OUR FARM AND SEED PRICE LIST will be mailed promptly on application, and if the market declines or anyone quotes you a lower price than ours in this catalog, please write us a postal card and ask for our Farm Seed Price List. It will save you money.

FEED

FUL-O-PEP
DRY MASH

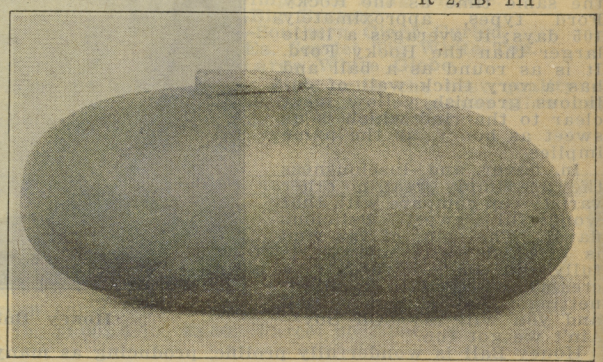
Hernando, Miss., Dec. 26, 1923.

Gentlemen:

Please send me one of your free calendars and also a free catalog at your earliest convenience. We are highly pleased with the seed we bought from you last spring.

Thanking you very kindly,

Respectfully,
Mrs. Mina Jones,
R 2, B. 111



Irish Gray Watermelon

WATERMELON

Tom Watson Extra—This is an extra selected stock of this splendid well-known and popular melon. Seed is saved only from specimens grown as near uniform as possible. The grower will no doubt appreciate this from the fact that this stock will grow larger and more regular melons than the ordinary strain. We are pleased to offer this special stock this season, as we are sure you will be highly pleased with the results. Pkt., **5c**; oz., **20c**; ¼ lb., **50c**; 1 lb., **$1.50**; post paid.

Kleckley Sweets Extra—This is extra selected stock of this well known watermelon. The seed is saved from only perfect specimens and uniform large sized ones, then reselected and all small seed removed, so in planting this stock you are sure to raise larger and better melons. We are sure you will appreciate this selection which is made for us by one of the most reliable Southern growers.

Prices: Pkt., **10c**; oz., **20c**; ¼ lb., **50c**; 1 lb., **$1.50**; parcel post paid.

Halbert Honey Extra—Like our extra selected stock of other varieties listed, this is a special selection of seed saved from the largest and best specimens by the careful picking and selection the seed are saved from the best and only the best fruits. So you can rest assured you will get splendid results from this stock. You know like produces like and the crop depends largely on the seed. We are pleased to be able to offer you the selected strain seed of the well known Halbert Honey Watermelon.

Prices: Pkt., **10c**; oz., **20c**; ¼ lb., **50c**; 1 lb., **$1.50**; parcel post paid.

Tom Watson Watermelon

R.-H. Co.'s Big Boy Watermelon—Can you imagine it, watermelons that will average 100 lbs., some of the R-H Co.'s Big Boy Watermelons tip the scales at 114 lbs? Our Big Boy Watermelons resemble the Triumph, originated in Texas and for size cannot be equalled. Flesh is a deep rich crimson, sweet and delicious and free from any stringiness or fibre. The rind is thin yet tough and firm, therefore making our Big Boy Watermelon a most desirable variety for all purposes. The seeds are jet black like old time melons. Did you ever see a melon that had jet black seeds that was not a top notcher?

R.-H. Co.'s Big Boy—in shape is oval to round with dark green rind; see illustration on back cover for a good looking watermelon. Oh! Boy. The originator writes that some of the melons sold on the Dallas market for as high as $1.50 each. In appearance and shape as stated above it resembles the old Triumph watermelon but the flesh is a darker red and much sweeter. The melons from which the seed stock were taken weighed from 92 to 114 pounds in size. No variety can match our Big Boy and we are sure the quality will be all that you can ask for. We are offering strictly Southern grown seed of this Big Boy Melon.

Prices: Pkt., **10c**; oz., **25c**; ¼ lb., **75c**; 1 lb., **$2.50**; parcel post paid.

R-H. Co.'s Big Boy Watermelon

MUSTARD

CULTURE—Sow from February to April or September and October; broadcast or in drills, 6 inches apart. Cut when about 3 inches high. One ounce seed to 80 feet drilled; 6 pounds to acre broadcast.

Southern Giant Curled—Leaves are large, light green with yellowish tinge, much crimped and frilled at the edges. Very succulent, pungent and of sweet flavor.

Chinese Mammoth—Not curled as the Southern Giant; leaves are very broad and smooth.

Elephant Ear—A single plant fills a bushel basket; leaves tender at all times. Your garden won't be complete unless you try some of this new mustard.

White London—Leaves smooth and deeply cut, color dark green.

Black or Brown—Leaves oblong, broad and cut.

So. Giant Curled Mustard

MISTAKES

We make them—so does almost everyone — and we will cheerfully correct them if you write us.

Prices: on any of the five varieties of Mustard seeds on our list uniform as follows. Pkt., **5c**; oz., **10c**; ¼ lb., **25c**; 1 lb., **65c**; parcel post paid.

OKRA

CULTURE—One Ounce Will Plant 100 Hills. This plant is extensively cultivated for its green pods, which are used in soups and stews and are very wholesome and nutritious. Sow about the first of May, in drills 3 feet apart, and thin out the plants to one foot apart. Soak seed in water 12 hours—they germinate easier.

White Velvet—This Okra takes its name from the smoothness of its pods, which are round, differing in this respect from the old sort.

Dwarf Green—Very early; pods green and tender.

Tall, or Long Green—Long ribbed pods; very productive, if kept picked, the pods are very tender and of a higher flavor than other sorts.

Prices on any of the above four varieties of Okra uniform as follows: Pkt., **5c**; oz., **10c**; ¼ lb., **20c**; 1 lb., **45c**; parcel post paid.

ONION SEED—ONION SETS

Sow in January or February in hotbeds. Transplant to 12-inch rows, 5 inches apart.

Large Red Wethersfield—Medium early; skin is purplish red; flesh purplish white; a general favorite. Pkt., **5c**; oz., **20c**; ¼ lb., **50c**; 1 lb., **$1.50**; parcel post paid.

Large Red Globe—Grows to good size; rich red color with small neck; a fine keeper. Pkt., **5c**; oz., **20c**; ¼ lb., **60c**; 1 lb., **$1.75**; parcel post paid.

Prize Taker—Very large and solid; skin rich yellow; flesh pure white, sweet, mild, tender. Pkt., **5c**; oz., **20c**; ¼ lb., **60c**; 1 lb., **$1.75**; parcel post paid.

Southport White Globe—Handsome globe-shaped bulbs; the flesh is firm, fine grained, of mild flavor; keeps well. Pkt., **5c**; oz., **25c**; ¼ lb., **70c**; 1 lb., **$2.40**; parcel post paid.

White Silver Skin—Pure white; mild flavor; best for growing sets. Pkt., **5c**; oz., **25c**; ¼ lb., **65c**; 1 lb., **$2.20**; parcel post paid.

Yellow Globe Danvers—Globe shaped; large; keeps well; a standard for main crop. Pkt., **5c**; oz., **20c**; ¼ lb., **50c**; 1 lb., **$1.40**; parcel post paid.

Prices are subject to market fluctuations. When you want large quantities ask for market prices. Thirty-two pounds constitute a bushel.

Plant 4 to 6 inches apart in 12 to 24-inch rows (except Potato Onions, which should be in 2-foot rows). Plant in Spring or Fall in fine rich soil, well manured.

Red Wethersfield Sets—Quarts, **20c**; gallon, **60c**; peck, **$1.00**; parcel post paid. Not prepaid, quart, **15c**; gallon, **55c**; peck, **85c**; bushel, **$3.00**, 32 lbs.

Yellow Danvers Onion Sets—Quarts, **20c**; gallon, **60c**; peck, **$1.00**; parcel post paid. Not prepaid, quart, **15c**; gallon, **50c**; peck, **85c**; bushel (32 lbs.), **$3.00**.

White or Silver Skin Onion Sets—Quart, **25c**; gallon, **75c**; peck, **$1.25**; parcel post paid. Not prepaid, quart, **20c**; gallon, **60c**; peck, **$1.00**; bushel (32 lbs.), **$3.50**.

White Multiplier Onion Sets—Quart, **25c**; gallon **85c**; peck, **$1.40**; parcel post paid. Not prepaid, quart, **20c**; gallon, **75c**; peck, **$1.25**; bushel (28 lbs.), **$4.50**.

Yellow Potato Onion Sets—Quart, **30c**; gallon, **$1.00**; peck, **$1.65**; parcel post paid. Not prepaid, quart, **25c**; gallon, **85c**; peck, **$1.50**; bushel (28 lbs.), **$5.25**.

Notice: All prices on onion sets are subject to important market changes. We will, however, hold to these figures as long as we can. Better write for firm quotations, stating variety and quantity you want.

BERMUDA ONION PLANTS

Set them out any time in February or March and they will make fine onions which are exceedingly mild and of good flavor. Grow a few Bermuda Onions in your garden and you will be highly pleased.

Prices: 100 plants, **35c**; 1,000, **$2.25**; parcel post paid. Not prepaid, 100 plants, **25c**; 1,000, **$2.00**; crate containing 6,000 plants, **$8.50**.

PARSNIPS

CULTURE—Sow the seed in early Spring, ¾ of an inch deep, in rows 12 to 18 inches apart and when 3 inches high thin to 6 inches apart in the row.

One ounce of seed for 100 feet of row; 5 pounds seed required for an acre.

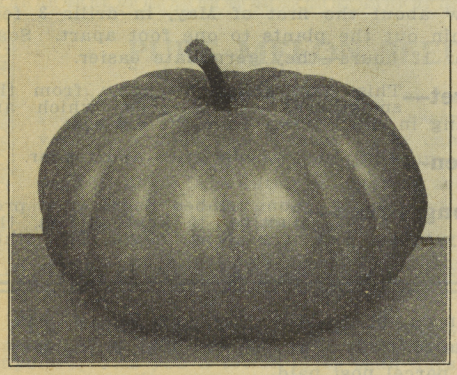
Sugar, or Hollow Crown—The best for table use; easily raised and of great productiveness. Pkt., **5c**; oz., **15c**; ¼ lb., **35c**; 1 lb., **$1.00**.

PARSLEY

CULTURE—Soak seed in water for a few hours and sow in rich soil early in spring in rows a foot apart and cover lightly. Parsley is slow to germinate and is sometimes 3 or 4 weeks in coming up. One ounce will sow 150 feet of drill. Sow in March and April, also in September.

Double Curled—Compact, very curly and finely cut; bright green color. Pkt., **5c**; oz., **10c**; ¼ lb., **30c**; lb., **75c**; parcel post paid.

Plain, or Single—Leaves are flat, deeply cut, and dark green. Pkt., **5c**; oz., **10c**; ¼ lb., **25c**; lb., **70c**.



Kentucky Yellow Field Pumpkin

PUMPKINS

CULTURE—The pumpkin under good care bears abundantly, and furnishes a great amount of palatable food for cows, pigs, etc. Several of the finest flesh varieties are also used for culinary purposes. They may be grown as a field crop. Plant in hills 8 feet apart each way, and any time after the first of May. Avoid planting near other vine crops, as they will hybridize, and damage that crop. One ounce will plant about 25 hills, 4 pounds to the acre.

Striped Cushaw—Very productive, good for table and stock feeding. Pkt., **5c**; oz., **15c**; ¼ lb., **35c**; lb., **$1.00**; parcel post paid.

King of the Mammoth—Of extraordinary large size; good for growing for prizes; skin is orange colored, with bright yellow flesh of fine quality. Pkt., **5c**; oz., **15c**; ¼ lb., **50c**; lb., **$1.25**; parcel post paid.

Tennessee Sweet Potato—Of medium size, creamy white, with light green stripes and fine grained brittle flesh. Pkt., **5c**; oz., **15c**; ¼ lb., **35c**; lb., **$1.00**; parcel post paid.

Kentucky Yellow Field—A large variety of good quality. Pkt., **5c**; oz., **10c**; ¼ lb., **20c**; lb., **45c**; parcel post paid.

ORDER YOUR SEEDS EARLY

We have increased our order filling capacity 50 per cent since last spring, giving us by far the largest seed order filling capacity we have ever had. Despite this fact we urge early orders. Many sorts of seed are in woefully short supply and those who order early are sure of the promptest service of getting just the varieties they want. Further, if you order early you are sure to have seeds in hand for earliest planting season.

PEPPERS

CULTURE—One ounce will produce about 1,000 plants. For early plants sow in hotbeds the latter part of January, and transplant to open after all danger of frost is over, in rows 3 feet apart, 15 to 18 inches apart in the rows. All following prices are parcel post paid.

Chinese Giant—This variety is one of the largest and finest Peppers in cultivation. The plant is about two feet high, of strong, vigorous growth, stocky and erect in habit, very productive, and ripens its fruit earlier than the Ruby King. The fruit is well shown in our illustration, is quite square, average 4 inches in diameter, and is of a bright, glossy scarlet when ripe. The flesh is usually thick and very mild, having none of the pungency of most of the older varieties. The immense size of the fruit and its brilliant color render it very attractive and will cause it to sell readily in the market. Every private garden should have this sort.

World Beater—Said to be a cross between Ruby King and Chinese Giant. The shape is like Ruby King, only the blossom end is broader, and the size nearly equal to Chinese Giant. The plant is a strong, vigorous grower and very prolific. The fruit is a beautiful scarlet in color and exceedingly mild. The flesh is thick and firm, making this variety an excellent shipper; very popular in the South.

Pimento—The sweetest Pepper grown, does not contain the slightest trace of fieriness. The plants are extremely productive, and Peppers are medium in size and of a shape which is desirable for filling. It may also be used in preparing salads and for flavoring. The flesh is quite thick and the Pepper may be scalded for peeling the skin off. When fully ripe the Peppers are of brilliant red color and very attractive.

Crimson Giant—Very large sweet pepper. It is a strong grower and much more productive than the Chinese Giant. Matures early. The flesh is thick, very mild and sweet.

Bell, or Blue Nose—A large early sort, of mild flavor. Fruits are large.

Ruby King—A fine variety, very large and attractive. Fruits are 4 to 5 inches long, bright red when ripe.

Golden Queen—Bright golden, yellow fruit, flesh sweet.

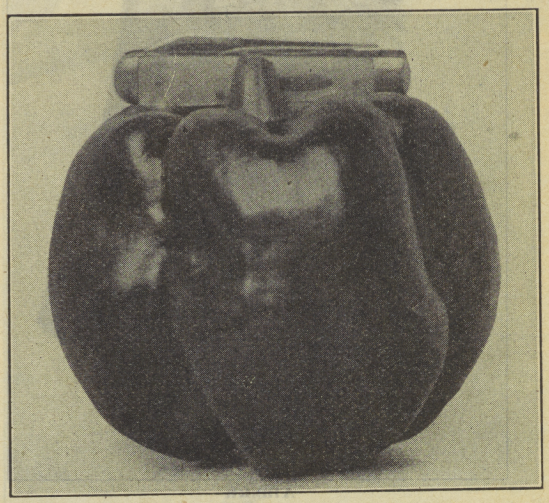
Long Red Cayenne—A well known medium early variety, with extremely strong and pungent flesh. Bears long slender twisted pods, bright red when ripe.

Bird's-Eye, or Creole—Very hot; used for pepper vinegar.

Tobasco—This variety is used in manufacturing the well-known Tobasco Sauce.

Red Chili—Small red, conical pods, hot and prolific.

Mixed Sweet Peppers—All varieties in mixture, fine for mangoes.



Chinese Giant Sweet Pepper

Prices: Any of the above 12 varieties of Pepper uniform in price as follows: Pkt., **5c**; oz., **40c**; ¼ lb., **$1.25**; 1 lb., **$4.25**; parcel post paid.

Wilson, N. C., April 10, 1924.

Russell-Heckle Seed Co.,
Memphis, Tenn.

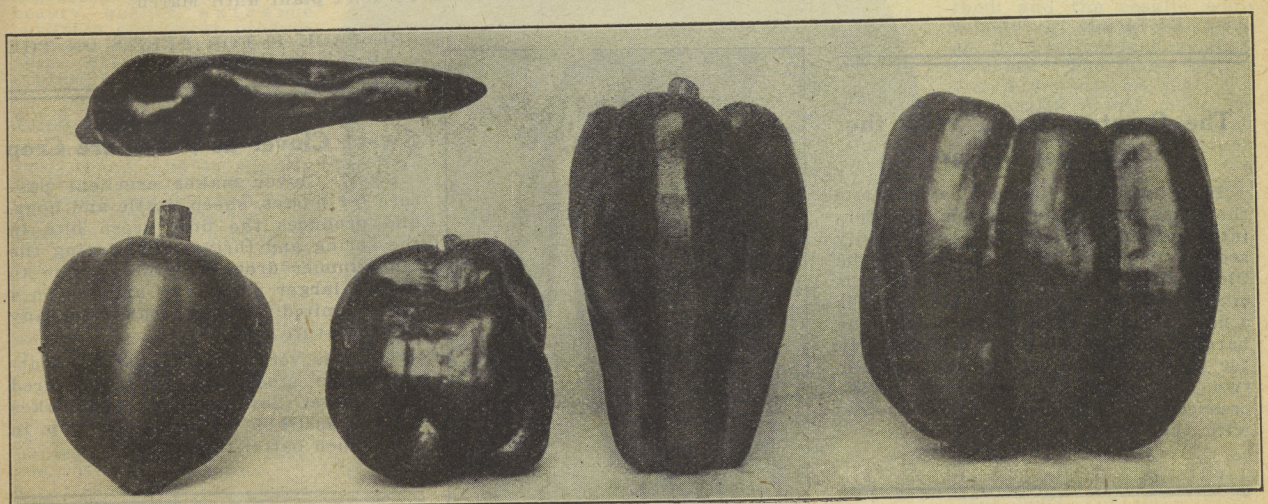
Gentlemen:

Please ship me C. O. D. at once five hundred pounds of your Miller's A1 Dog Ration. I am using it every day myself and some of my friends that own dogs wanted me to order them some of this feed as they want to see what it will do for their dogs. It certainly does help a dog a whole lot, and all of mine are just as slick and fat as they can be. Every time I carry them hunting they seem to have so much energy that they do not want to come home when the time comes to start for home.

Hoping that you will ship this right away, I am,

Yours very truly,

J. B. Munford.



Pimento **Cayenne** **Bell or Bull Nose** **World Beater** **Crimson Giant**

Alaska

RUSSELL-HECKLE'S

CULTURE—The pea is hardy and endures cold well, either in or above the ground. It is best to sow the earliest varieties as soon as possible (February), in warm, light soil, prepared the previous autumn or winter. The main crop may be sown about two weeks later and on somewhat heavier soil. Sow Peas in drills about

Alaska—The earliest of all the extra early sorts; vines about 2 feet in height. The pod is about 3 inches long, well filled with uniformly round peas.

American Wonder*—The earliest of the dwarf wrinkled sorts; vigorous and productive, with dark, luxuriant foliage. Vines dwarf, 12 inches high, of compact growth. Pods 2½ inches long, round, appearing almost square, and crowded to the end with Peas of excellent quality.

Bliss Everbearing*—A good variety that continues in bearing a long time. A general favorite. Height 3 feet.

Blue Bantam—This superb pea is unequaled for its extreme earliness, unusual productiveness, and rare quality. The vines are distinctly dwarfed and bear an enormous crop of large, deep, bluish green pods 4 inches long and well filled with 8 or 9 deep bluish green peas of excellent flavor.

Champion of England*—It grows 4 to 5 feet high and requires support, and large crop production more than repays any extra labor required. Matures late.

Gradus, or Prosperity*—Ripens early; vines about 3 feet high; bears profusely. The pods almost as large as those of Telephone.

Large White Marrowfat—Height 5 feet. Vine and foliage stout, deep green. Matures late.

McLean's Little Gem*—The best and most popular Dwarf Wrinkled variety. Grows about 15 inches high and bears good-sized pods.

Nott's Excelsior*—A strong, vigorous grower and continues to bear for a long time. Height 15 inches. Early.

PRICES: Any of the above 9 varieties of English Peas uniform as follows: Pkt., **10c**; ½ pint, **20c**; pint, **35c**; quart, **60c**; parcel post paid. Not prepaid, ½ pint, **15c**; pint, **30c**; quart, **50c**.
Quotations on English Peas by the peck and bushel are given on the Special Green Ink Price Sheet enclosed.

Russell-Heckle's First of All Peas—Two feet. Much effort and money has been expended to produce a large-podded "First and Best" Pea. Hitherto, these attempts have only succeeded at the expense of earliness. The First of All, however, is fully as early and much larger and more prolific than the best strains of First and Best. This gives it a great advantage over any existing sort. First of All is thoroughly fixed and free from sporting tendencies, of healthy, vigorous growth, and very hardy. The pods are 3½ to 4 inches long and borne in pairs.

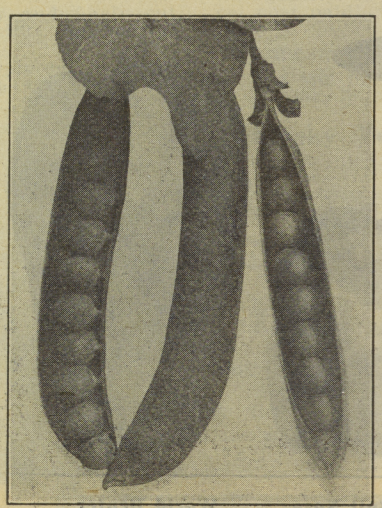
Telephone Peas*—The vines are tall, about four feet high, with large leaves, and producing an abundance of pointed pods of largest size, often four and one-half to five inches long, filled with very large peas, which are tender and sweet.

Thomas Laxton Peas*—Pods large, deep rich green, filled from end to end with plump peas. Vines grow from 3 to 3½ feet high. The seed is wrinkled, so don't plant until March.

SEE PAGE 19 FOR PRICES ON THE 3 ABOVE VARIETIES.

The Greatest Grass With the Hardiest Clover

Timothy is the standard hay crop and the grass most widely grown. It enters into most rotations as it is easily seeded. More timothy is sown with the Clovers than alone. The bulk of this mixture is Timothy and Alsike. This is a natural blending of Timothy with the hardiest Clover and the one best suited for growing with it. By growing the two crops together, the yield is increased as each plant thrives better with the other than alone.



Gradus or Prosperity

Sweet Clover as a Pasture Crop

Sweet Clover makes excellent pasture for horses, sheep, cattle and hogs, and produces the first green bite in the spring and thrives well during the mid-summer drought, enabling one to keep a larger number of animals on a more limited acreage than with any other pasture crop.

There is very little danger of bloating when stock are being pastured upon Sweet Clover and this fact makes it very desirable as a pasture crop, in fact, much better than Alfalfa.

ENGLISH PEAS

2 to 3 inches deep, in rows 2½ to 3½ feet apart. In garden culture sow in double rows, 10 inches apart. One quart will sow 100 feet of drill. Avoid fresh manure or very rich soil, or too rank vine growth will result.

All wrinkled varieties are marked (*). These should not be planted until March.

Laxtonian*— 18 inches. The largest-podded of the dwarf wrinkled peas. A splendid new variety, becoming a favorite with those who grew for the market or for the home garden. Might be called dwarf Gradus. The peas have the same delicate flavor of that variety. Laxtonian matures earlier and is very prolific. If you have not grown this pea, try it this season.

Sugar or Edible-Podded Peas— When cooked, they are equal to the best snap beans. Being hardy, can be planted early in spring. Of strong, upright habit, growing about 12 to 15 inches high. The pods should be gathered while young and boiled whole.

Prices: Any of the above 5 varieties of English Peas uniform as follows: Pkt., **10c**; ½ pint, **25c**; pint, **40c**; quart, **65c**; parcel post paid. Not prepaid, ½ pint, **20c**; pint, **35c**; quart, **60c**.

Prices on Onion Sets by Bushel— Account catalog going to press before Spring market has been established, we are unable to quote Onion Sets by the bushel on this page. For current prices see Special Green Ink Price Sheet enclosed.

Telephone Peas

R-H. Co's SEED POTATOES

CULTURE—Will mature in 70 to 90 days, according to the variety. Cut two eyes, drop them every 15 inches, and make rows 3 feet apart; cover eyes 2 inches; plant in February, March and April for early crops.

On account of market fluctuations, we are unable to name exact prices. Will be pleased to have you write during the month of February or later. Will then quote prices for prompt or future shipment. All prices quoted are F. O. B. Memphis.

New York Burbank— Late, long, white; good table qualities. By express, peck **60c**.

Lookout Mountain— Very prolific, late; long keeping variety, for planting in June and July. We book orders now for shipment in June. Prices on application.

Early Red Triumph—

Extremely prolific and extra early, the color a beautiful light red; medium size. Growth very uniform, nearly round. Flesh white; mealy when cooked. Eyes slightly depressed, skin smooth. Its beauty, quality, extreme earliness and great productiveness make it very profitable. Price, peck, **75c**. By express only.

Irish Cobbler— This is a most excellent variety. A large potato, round, and is slightly flattened; flesh white and cooks dry and floury. A good keeper, heavy yielder and possibly the most popular of all early varieties. Price, peck, **70c**. By express only.

Early Ohio— A standard early potato and a good one. Does well in all soils; is very early, oval in shape; has pink skin and shallow eyes. The Early Ohio is fully two weeks ahead of the Early Rose and is a general favorite with potato growers. Price, peck, **70c**. By express only.

New York Early Rose—

Matures early; excellent quality. By express, peck, **60c**.

McCormick Potato

McCormick Potato—

At no time have we had the pleasure of securing such a wonderful potato. A railroad camp left a bag of these potatoes, some sensible farmer took them home and planted them and the results were something marvelous, both as to quality and productiveness. The past season and a dry one at that, the McCormick potato made 200 bushels of the finest large tubers you ever saw to an acre. The quality of the snow white flesh is extra fine, far superior to the Lookout or any other late maturing variety.

Don't plant the McCormick potato until June, and if you really want something good, new blood and a big cropper, get a few of the McCormick potatoes. We have them only in small lots, so order early if you wish to secure some.

Prices: 1 lb., **25c**; parcel post paid; not prepaid, 5 lbs., **75c**; peck (15 lbs.), **$1.50**; bushel (60 lbs.), **$4.75**; f. o. b. Memphis.

SEED SWEET POTATOES

All quotations here given are packed F. O. B. Memphis. Purchaser must pay carrying charges. Prices subject to market changes, and sold at the rate of 45 pounds to the bushel. No Sweet Potato Seed can be shipped into Mississippi.

Nancy Hall—Skin yellow; meat, which is clear, amber color, is as sweet as honey. By express, peck, **75c.**

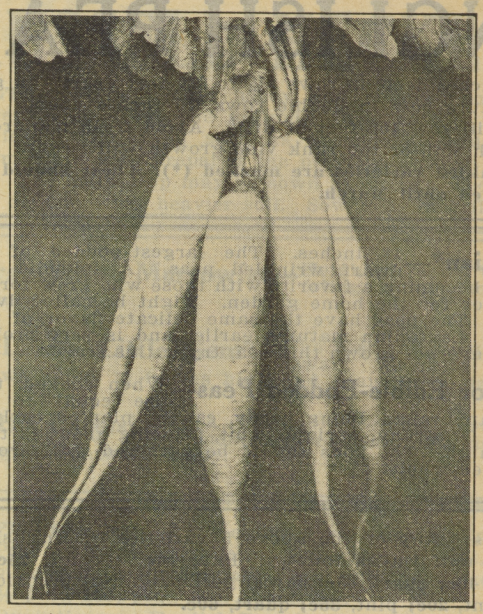
Porto Rico Yam—Skin is golden color, with a slight pinkish tinge. Meat deep orange yellow, soft and sweet; tubers long and smooth; a very desirable shape. By express, peck, **75c.**

Larger quanties of Seed Sweet Potatoes quoted on application.

Sweet Potato Slips

Prices of non-certified slips which cannot be shipped into Mississippi are as follows:

Nancy Halls—Porto Ricans—Bunch Yams—Parcel post paid, 500, **$2.25;** 1,000, **$3.75;** 5,000, **$17.50.** Not prepaid, 500 **$2.00;** 1,000, **$3.50;** 5,000, **$16.25;** 10,000, **$30.00.** These prices are subject to any radical change in the market. We will, however, hold to them as long as possible.



Icicle Radish

RADISH SEED

CULTURE—To be tender and crisp, radishes must be grown quickly, and this requires rich soil and moisture. Begin as early as possible in the spring and sow at intervals of about 10 days in a light, rich, deeply worked soil. For fall and winter sow in August and September. One ounce sows 50 feet.

Early White Turnip—Both skin and flesh of pure white.

China Rose Winter—One of the very best for fall and winter use, bright rose color, flesh white and firm, superior quality.

Early Scarlet Turnip White Tip—Market gardeners' favorite radish outdoor planting. A very desirable one for the home garden. Turnip-shaped; handsome scarlet in color, with a distinct white tip.

Early Scarlet Globe—A very distinct shape, brilliant red color, short leaved, crisp and white, of excellent flavor.

Early Scarlet Turnip—A very early, small, round radish; entire radish is of a rich scarlet color.

Early Long Scarlet Short Top—Early very short top, splendid shape and color.

Early Scarlet Turnip White Tip

Long Black Spanish Winter—Like the above, but the roots are longer and somewhat milder in flavor.

Round Black Spanish Winter—This is a large, black - skinned radish; flesh white and firm; a good keeper.

Mixed Radishes

A general mixture of all varieties, giving you radishes for the whole season at one planting.

Prices: Any of the above varieties of Radish seed uniform as follows: Pkt., **5c;** oz., **10c;** ¼ lb., **30c;** 1 lb., **70c;** parcel post paid.

R.-H. Co.'s Perfection White Tip Radish—The most attractive bunching radish on the market. The best strain of Scarlet Turnip White Tip Radish, with the white tip well developed, covering the lower half of the radish. Extra early, crisp and tender.

French Breakfast—A very popular French variety of very rapid growth, color scarlet, tipped with white, and small in size.

Icicle—Long, slender, pure white, the earliest and finest long, white radish.

Harlan, Ky.

Russell-Heckle Seed Co.,
Memphis, Tenn.

Sirs: Enclosed find personal check for which you will please send me at once by express 100 pounds of Miller's A1 Ration.

I find this particular food suitable for dogs of all ages, and that they thrive, keep in the best of health, and have pep to spare, and so long as I am able to hunt and own good dogs I expect to keep a supply of Miller's on hand.

Thanking you to give the above order your prompt attention, I am,

Very truly yours,
R. C. CRAWFORD,
Asst. Cashier, Citizens National Bank.

50c—BIG TURNIP SEED COLLECTION—50c

One ounce each of the following 9 varieties new crop Turnip seeds for only 50c postpaid.

1 **Early White Flat Dutch S L.**
2 **Extra Early White Egg.**
3 **Large White Globe.**
4 **Large Amber Globe.**
5 **Mammoth Purple Top Globe.**
6 **Purple Top Yellow Ruta Baga.**
7 **R-H Co's Am. Red Top White Globe.**
8 **Southern Seven Top.**
9 **Yellow Aberdeen P. T.**

At regular prices the above collection would cost 90c. Send 50c and we will mail same to any address.

Rutabaga

RUTABAGA

Sow in drills or broadcast in June, July and August.

Improved Purple Top Rutabaga—The perfect Ruta Baga, of symmetrical shape and firm flesh. The finest and most profitable of all yellow, purple top Ruta Bagas, being the hardiest, heaviest, best shaped and most productive. The roots are better keepers than most sorts. The flesh is of a beautiful yellow color, of the choicest quality, full of nourishment. Excellent for table use and stock feeding. Matures in 95 days. Pkt., **5c**; oz., **10c**; ¼ lb., **20c**; 1 lb., **50c**; parcel post paid.

RHUBARB

Set out in the early spring or fall in deep-worked soil four feet apart each way.

Linnaeus—Best variety grown. Makes fleshy stalks of best quality. Pkt., **5c**; oz., **15c**; ¼ lb., **50c**; lb., **$1.50**; parcel post paid.

Rhubarb Roots—Two year roots, each, **30c**; 6 for **$1.50**; 12 for **$2.50**; parcel post paid. Not prepaid, each, **25c**; 6 for **$1.25**; 12 for **$2.00.**

One year roots, each, **15c**; 6 for **75c**; 12 for **$1.25**; parcel post paid. Not prepaid, each, **10c**; 6 for **60c**; 12 for **$1.00.**

SPINACH

CULTURE—Requiring but little culture, it is one of the most easily managed of all vegetables. The main crop is sown in September. For summer use it may be sown at intervals of 2 or 3 weeks, from March to August. One ounce to 100 feet of drill; 10 to 12 pounds to an acre.

Bloomsdale Curled Savoy—In appearance the leaf is wrinkled in the same way as that of the Savoy Cabbage, hence the name. It produces nearly twice the bulk of crop as the ordinary sort, is fully as hardy.

Broad Leaf Flanders—A very vigorous grower; the leaves are very broad, thick, tender and of a delicious flavor.

King of Denmark—The largest growing variety. The glossy dark green foliage is attractively crumpled and thick in texture. The numerous leaves are extra large, broad and rounded. Ready to cut in 48 days.

Long Standing—Is especially desirable because of the fact that it is much later in going to seed than the average variety.

Salsify

SALSIFY OYSTER PLANT

CULTURE—The Oyster Plant succeeds best in some light, well-enriched soil which previous to sowing the seeds should be stirred to the depth of 18 inches. Sow early in the spring in drills 15 inches apart; cover the seeds with fine soil 1 inch deep. One ounce for 60 feet of drill, 7 pounds to one acre.

Mammoth Sandwich Island—This splendid variety grows to fully double the size of the old sort; is of superior quality and delicate flavor. Pkt., **5c**; oz., **20c**; ¼ lb., **60c**; 1 lb., **$2.25**; parcel post paid.

Salsify or oyster plant is a valuable addition to the garden. It is planted in May in narrow rows and used in the winter and early spring.

Potato beetles will be at their work soon. Powdered arsenate of lead mixed with two or three parts of slacked lime and sifted through a meal sack or similar material will kill them. In the early morning while the dew is on and the wind quiet is a good time to make the application.

Prices: Any of the above 4 varieties of Spinach Seed uniform as follows: Pkt., **5c**; oz., **10c**; ¼ lb., **20c**; 1 lb., **40c**; parcel post paid.

NEW ZEALAND SPINACH

This is not a spinach of the ordinary kind, but a plant of branching growth. One single plant will grow to dimensions of six feet across, producing an abundance of thick, fleshy, juicy stems and leaves. Plant in hills 2 feet apart each way, 3 or 4 seeds to a hill. Pkt., **5c**; oz., **15c**; ¼ lb., **40c**; lb., **$1.00**; parcel post paid.

Quantity prices on Bloomsdale Curled Savoy Spinach: 5 lb., **$1.35**; 25 lb., **$5.40**; parcel post paid. Not prepaid, 5 lb., **$1.25**; 25 lb., **$5.00**; 100 lb., **$18.00.**

King of Denmark Spinach

SQUASH

CULTURE—After danger of frost is past, plant in a warm, well-pulverized, rich soil, mixing well-rotted manure with the soil in each hill. Plant 8 or 10 seeds to the hill; the bush varieties 4 to 6 feet apart, the running sorts 8 to 10 feet.

Early White Bush or Patty-Pan—The flat patty-pan shaped fruits are ready for use very early in the summer; 6 to 8 inches in diameter. Of true bush form and very productive. Should be eaten when young and tender.

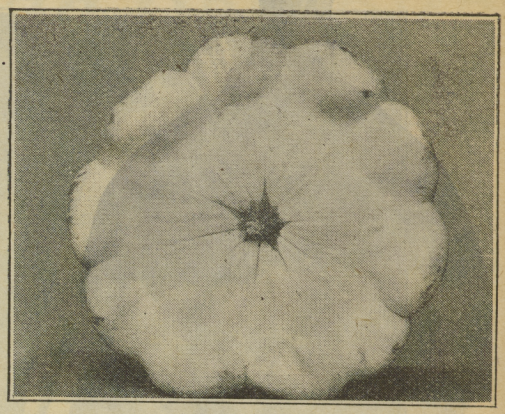
Mammoth White Bush Scallop—Excellent large strain, 10 to 12 inches in diameter. Nearly as early as the common sort; creamy white; splendid for market or home garden; good shipper.

Yellow Crookneck—A bush variety, early and prolific; surface deep yellow, densely warted; quality and flavor good.

Giant Yellow Summer Crookneck—Fruit is large, bright yellow, and covered with warts.

Hubbard—A favorite winter squash. Shell dark green and extremely hard. Flesh rich orange, dry and sweet. Splendid for cooking or pies.

Prices: Any of the above varieties of Squash uniform as follows: Pkt., **5c**; oz., **15c**; ¼ lb., **35c**; 1 lb., **$1.10**; parcel post paid.



Mammoth White Bush Scallop

SWISS CHARD OR SILVER BEET

Grown for its leaves and stems only. Cook the leaves as you do spinach and the stems like asparagus. The plant is almost perpetual if kept trimmed; also good for poultry greens. Lucullus Swiss Chard is the best variety.

Pkt., **5c**; oz., **15c**; ¼ lb., **35c**; lb., **$1.00**; parcel post paid.

TOBACCO

The seeds are sown in the Spring. When these plants are almost 6 inches high, set out, 2 feet apart, in drills, with rows 3 feet apart. One ounce of seed will make enough plants to set out three acres.

Havana—Grown largely for wrappers of cigars.

Connecticut Seed Leaf—An early variety, for smoking and chewing.

Improved White Burley—Fine for both chewing and smoking.

Price of any of the above varieties: Pkt., **10c**; oz., **50c**; parcel post paid.

TOMATOES

CULTURE—The seed should be sown in March in a hot bed or green house, or may be sown in a box and kept inside the window of a room where the night temperature is not less than 65 degrees. The plants should be thinned out in the bed so as to give them plenty of room or they will be weak and poor. About the middle of May the plants may be set in the open ground from 4 to 5 feet apart each way. One ounce produces about 1,500 plants.

To prevent rot and blight on tomato plants spray with Bordeaux mixture when first fruits have set.

Gulf State Market—One of the finest early globe shaped tomatoes yet produced. A very vigorous grower and withstands blight exceptionally well. Color deep purple pink, smooth skin, smooth and free from cracks.

R.-H. Co.'s Avon Early—Fully as early as Earliana; fruits much larger and always perfectly smooth, of a deep scarlet color and don't crack; a fine variety for early market trade.

Ponderosa—An exceptionally large, purple-fruited tomato, and for home use one of the best; fruit very solid, with few seeds.

Yellow Ponderosa—Equals Ponderosa in size, but bears rich golden-yellow fruits in abundance.

Dwarf Ponderosa—It is much the largest fruited of all dwarf tomatoes. The color is a rich purple crimson.

Early Detroit Tomatoes

Beefsteak—Large fruit, 4 to 5½ inches across, nearly always perfectly smooth; glossy, bright red flesh. Very solid; excellent quality; few seeds; ripening up to stem; good keeper.

Norton Wilt-Resistant—Somewhat larger than Stone, which variety it resembles in every way, but has a longer bearing season, very smooth, excellent flavor, solid, bright red color; ripens in mid-season and will bear until frost. Plants also stand almost any kind of weather conditions and are blight resistant.

Columbia Wilt-Resistant—All customers pronounce this one of the best main crop reddish pink varieties of tomatoes. A little earlier than Stone, fully one-third larger, just as smooth and solid as an apple. Flesh is very solid, having but very few seeds; ripens up to the stem; wonderful cropper. Any one wanting a large fancy pink-red tomato will get it by planting this variety, besides it is wilt resistant.

Prices: Any of the Tomato Seeds described on this page, excepting R.-H. Co.'s Red Head, uniform as follows: Pkt., **10c**; oz., **50c**; ¼ lb., **$1.25**; 1 lb., **$4.50**; parcel post paid.

R.-H. Co.'s Red Head Tomato

R-H Co's. Red Head Tomato

A superb early maturing variety coming into bearing with Earliana, however, it is perfectly smooth, of larger size and a deep but bright red color and holds its size throughout the season. One of our market gardeners here reports Red Head tomato has succeeded far better than any other variety; the vines are vigorous, heavy and do not show any tendency to wilt or leaf curl. The Red Head tomato does not appear to be affected with blossom end rot like most other sorts. Red Head answers for an extremely early or medium maturing variety and is one that will make the gardener money. Do not fail to plant them. Pkt. 15c; oz. $1.25; ¼ lb., $4.00; 1 lb., $10.00, parcel post paid.

Livingston's Globe—Extra good, all-round tomato of a distinct globe shape, permitting a greater number of slices from a single fruit than from any other sort. Always smooth, firm-fleshed and has but few seeds, especially the early fruits. Very productive—the plants have many short joints at which clusters of 3 to 7 fruits are formed. A remarkably good keeper and colors up handsomely; a purplish pink shade.

Early Detroit—The largest and best of the early purplish tomatoes. Fruits very smooth, nearly globe-shaped, firm and of excellent quality. Is a better yielder and more vigorous than Acme. Not only are more fruits produced, but they average more nearly globe-shaped, are heavier, and are equally as firm, smooth and suitable for shipping. The fruits are of good size throughout the season.

Redfield Beauty—A popular variety, a good shipper, very regular in size and shape; color glossy crimson and slight tinge or purple.

Bonny Best—An excellent extra-early variety, maturing between Earliana and Chalk's Early Jewel. Medium sized, scarlet, smooth round shape.

Early Acme—Smooth, solid, purplish pink in color.

Trucker's Favorite—A purple fruited sort of excellent quality. Fruits are invariably smooth, solid and the flesh is of finest color throughout. Plants are very thrifty, free from rust or blight and bear continually until killed by frost.

Beauty—Is early, of good size, smooth, a good bearer and the quality is all that could be desired. The fruit is a purplish red color.

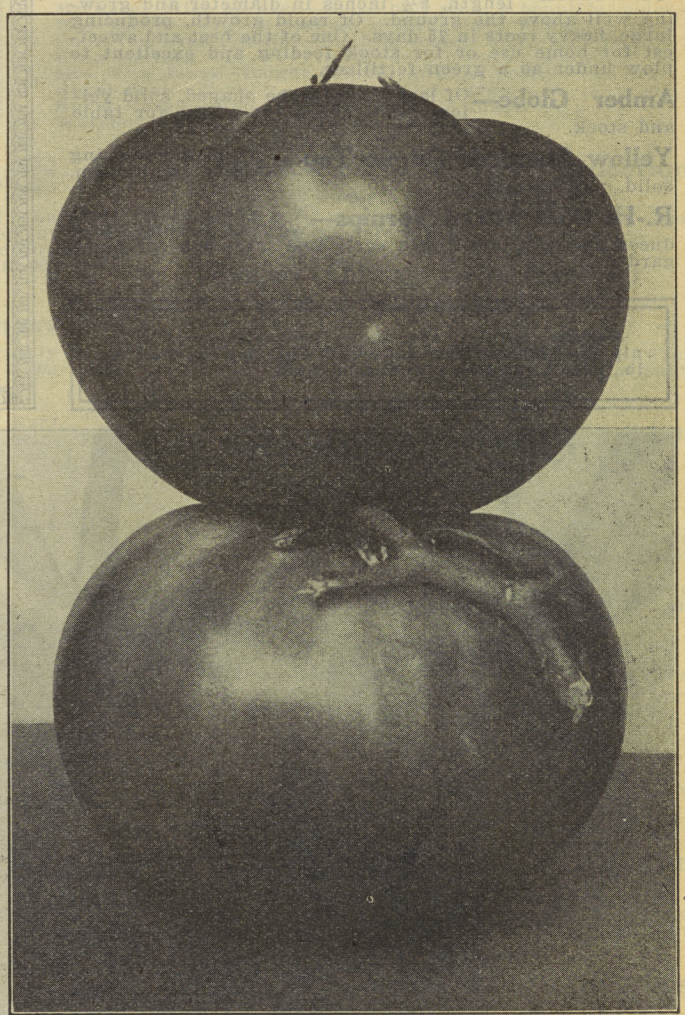
Stone—A large, bright-red tomato, very well known and highly regarded. One of the very best for canning purposes. Good also for slicing. Matures early and very uniformly. Vigorous and productive.

Burpees' Dwarf Giant—A new dwarf sort of good size and various other unique characteristics. It is very prolific, producing fruits in clusters around the base of the plant, a beautiful purple variety.

Florida Special—A variety which has been highly recommended by the Florida growers. It is a rather globe-shaped sort. The vine is short and fruits are set in clusters of four to five fruits every five or six inches along the stock.

Brimmer—A new tomato which is said to grow larger than any other kind. The fruit is unusually large, of a bright red color; is thick, meaty and contains but few seeds.

Prices: Any of the above 11 varieties of Tomato Seeds uniform as follows: Pkt., 5c; oz., 35c; ¼ lb., $1.00; 1 lb., $2.50; parcel post paid.



Gulf State Market

Small or Preserving Tomatoes

Red Pear Shaped—Pkt., 5c; oz., 40c; parcel post paid.

Red Peach—Pkt., 5c; oz., 50c; parcel post paid.

Yellow Pear Shaped—Pkt., 5c; oz., 40c; parcel post paid.

RUSSELL-HECKLE'S TURNIP SEED

Mammoth Purple Top White Globe—One of the handsomest and most salable turnips. For home or market it is unsurpassed. It is a large, rapid growing sort, being ready for the table or market in about 65 days, with globular shaped roots. Flesh pure white, and the best flavored of all turnips, raw or cooked. The skin is white, with a purple top.

Large White Globe—A popular variety. Makes large, round white roots, flesh white, solid, sweet and fine grained, maturing in about 75 days. Excellent for table or stock; also quite largely used for spring salad.

White Flat Dutch Strapleaf—An extra early pure white, flat-growing variety. Recommended for early market.

Red or Purple Top Strapleaf—Flat, white, with purple top. Fine grained and tender. Used for early market and table.

Extra Early White Egg—A quick growing, egg shaped, pure white variety. Very sweet, firm and mild.

Early Snowball Turnip—Purest snow white, globular in shape with a large light green leaf, fine for early spring greens.

Sweet German—A very hardy sort; used largely for greens in same manner as Seven Top. The roots are also valuable for stock feeding, growing to a large size. Grows outdoors all winter.

Cow Horn—A long white turnip, 12 to 15 inches in length, 2½ inches in diameter and growing well above the ground. Of rapid growth, producing large, heavy roots in 75 days. One of the best and sweetest for home use or for stock feeding and excellent to plow under as a green fertilizer.

Amber Globe—Of large size, globe shaped, solid yellow flesh; green top. Fine for table and stock.

Yellow Aberdeen Purple Top—A splendid keeping variety with firm, solid, yellow meat.

R.-H. Co.'s Mixed Turnips—A general mixture; very desirable; produces greens and turnips, early and late; fine for home gardens.

Prices: Any of the above 11 varieties of Turnip Seed uniform as follows: Pkt, **5c**; oz., **10c**; ¼ lb., **20c**; 1 lb., **50c**; parcel post paid.

TURNIP

CULTURE—Spring sowing should be put in early so that they will attain a good size before hot weather. For the regular crop, sow the early sorts in July or August, the later sorts during August, and the salad varieties during August and September. Sow either broadcast or in drills 2 feet apart, thinning out to 6 inches and roll the ground after sowing. Rutabagas should be sown in July and early in August, and earthed up as they grow. New ground makes the best turnips, or, if sown in your garden, first mix a good supply of phosphate with the ground, then sow your seed. Cover the seed about ½ inch. Sow 1½ pounds to the acre in drills, 2 pounds, broadcast.

SPECIAL VARIETIES TURNIP SEED

R.-H. Co's. American Red Top Globe Turnip—Grown for us on contrant from our own special seed stock. A perfect globe shape, with bright red or purple top and snow white bottom. It does not taper like other types of the same variety. This is due to the utmost care in selection when growing for seed. Our market gardeners here will have nothing but R.-H. Co.'s American grown Red Top White Globe, and we pride ourselves on this stock.

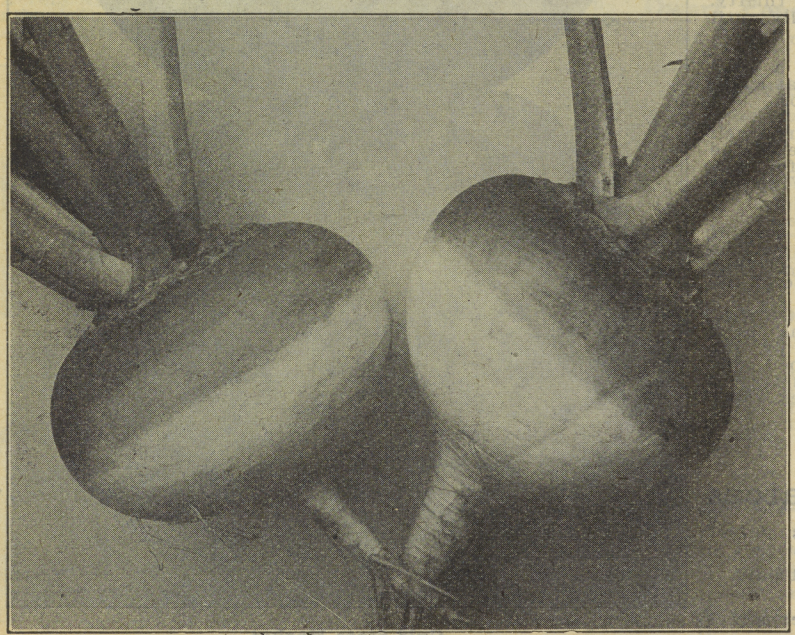
R.-H. Co's. Early Six Weeks Turnip—Extremely early, desirable for early market, will mature marketable bulbs in six weeks, snow white in color.

Seven Top—The old standard popular salad variety, grown extensively for this purpose.

Extra Early Purple Top Milan—A white variety, purple top and strapleaf. This, with the White Milan, is the earliest of all turnips.

Extra Early White Milan—The earliest turnip. Tops very small, distinctly strap-leaved and growing very erect.

Prices: Any of the 5 Special Varieties of Turnip Seed described above uniform as follows: Pkt., **5c**; oz., **10c**; ¼ lb., **25c**; 1 lb., **75c**; parcel post paid.

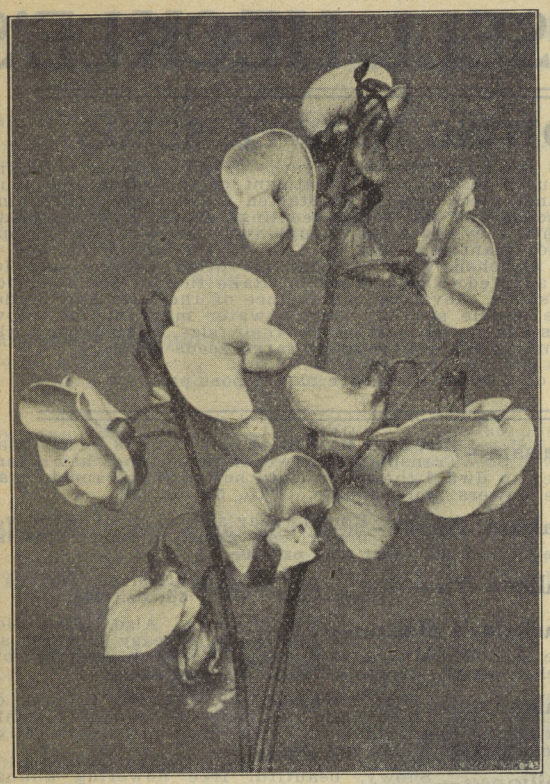


R.-H. Co.'s American Red Top Globe

High Grade Sheep Manure—A pure natural manure that will give quick results on lawns, roses and pot plants. It is a well-balanced plant food that will promote a rapid and steady growth. It is dried and pulverized, clean and easily handled; no weeds, straw and refuse. Do not use stable manure on your lawn—it is disagreeable to handle, is unsightly, but worse still, it fills the ground with weeds that will be hard to get rid of, that are naturally of stronger growth than grasses, and will choke out the grass if allowed to remain and spread, besides making the lawn unsightly.

On new lawns apply 10 pounds to 100 square feet; as a top dressing 10 pounds to 200 square feet. Not prepaid; **25-lb.** bag, **85c**; 100-lb. bag, **$2.50**; 500 lbs., **$12.00**; ton, **$40.00.**

1925 CALENDARS—On receipt of five names of people in your community who would be interested in receiving our Annual Seed Catalog, we will mail you one of our 1925 Calendars, which is very complete in every detail.



SWEET PEAS

Sow in January, February, March or April. Cover seed 2 to 4 inches, according to depth of your trench. The soil for Sweet Peas should be rich and deep, with Pulverized Sheep Manure in it. On high and dry soils they may be sown in drills from 4 to 6 inches deep, covered with an inch or two of soil pressed firmly, and the furrow filled in as the plants grow. When the seed is well above the ground, the little plants should be thinned out so as to be at least from 2 to 4 inches apart.

Standard Large Flowering Spencers

IN SEPARATE COLORS

This group includes the largest and most beautifully formed sweet peas. The Spencers have very large, waved flowers, which are produced abundantly on long, strong stems, making the blossoms most desirable for cutting.

Price of the following 12 varieties Standard Spencer Sweet Peas: Pkt., **10c**; oz., **25c**; ¼ lb., **75c**; 1 lb., **$3.00**; parcel post paid.

Countess Spencer—Bright clear pink, one of the best.
Edna May Spencer—An improved large pink white Spencer.
Fiery Cross Spencer—Distinct intense orange scarlet.
King White Spencer—Large waved white, very fine.
Margaret Atlee Spencer—Giant buff pink, a beautiful color.
May Unwin—Orange scarlet, a large bold flower.
Improved Fred Austin—Giant lavender, new, very fine.
King Edward VII—Very large deep crimson, showy.
Mrs. Tom Jones—Bright delphinum blue, pretty.
Royal Scot—Glowing orange scarlet, large.
Royal Purple—Rich, very deep purple shade.
Warrior—Large, very dark maroon color.

R.-H. Co's. Mixed Sweet Peas

R.-H. Co.'s Spencer Mixed—They represent the highest achievement in Sweet Peas to date. This mixture has been made up of named sorts. Pkt. **5c**; oz., **15c**; ¼ lb., **50c**; 1 lb., **$2.00**; parcel post paid.

R.-H. Co.'s Early Flowering Mixed Spencers

A rare combination containing all the shades of early flowering Spencers. Pkt., **10c**; oz., **25c**; ¼ lb., **75c**; 1 lb., **$2.50**; parcel post paid.

Burpee's Finest Spencers—From the house of Burpee. Their own special mixture of Spencer Sweet Peas. Pkt., **5c**; oz., **20c**; ¼ lb., **75c**; 1 lb., **$2.25**; parcel post paid.

Eckford Royal Mixed—Composed of the very best varieties of the Grandiflora type of Sweet Peas. Pkt., **5c**; oz., **10c**; ¼ lb., **35c**; 1 lb., **$1.00**; parcel post paid.

Perennial Sweet Peas—The plants are hardy and will live for years, but the flowers have not the fragrance of the annual Sweet Peas. These come mixed in shades of red and white only. Pkt., **10c**; oz., **25c**; 2 oz., **70c**; parcel post paid.

Cupid Mixed—These form a line of emerald-green foliage a little over a foot wide and six inches high and from June until late summer. Pkt., **10c**; oz., **25s**; ¼ lb., **75c**; parcel post paid.

Russell-Heckle Seed Co.

On January 2, 1922, I ordered $7.00 worth of garden and flower seeds from you although I did not get them started very early and the ground had no extra preparation. The results were wonderful, everyone who saw them stated they had never seen such a beautiful sight and wanted to know where I bought my seed. The sweet peas were the most gorgeous colors and shades, also the largest I have ever grown. My Zinnias were waist high and a mass of immense blooms.

Mrs. Ida J. Beadel,
Benoit, Miss.

Special Spencer Sweet Pea Collection

12 Packets Only 75c

One packet of each of the 12 fine Spencer Sweet Peas as shown on our list for only **75c**, parcel post paid.

Special Ounce Collection Spencer Sweet Peas

12 ounces, all separate varieties, for only **$2.00**.
One ounce of the 12 fine varieties of Spencer Sweet Peas shown in the catalog for only **$2.00**, parcel post paid.

Early Flowering "Spencer" Sweet Peas

Fully as large flowered as the other Spencers, come into bloom from two to three weeks earlier and flower throughout the season. Don't fail to plant them.

Price of the following six sweet peas, early flowering Spencers: Pkt., **15c**; oz., **35c**; ¼ lb., **$1.25**; 1 lb., **4.50**; parcel post paid.

Early Flowering—Amethyst—Deep glowing Royal Purple.
Early Flowering—Aviator—A dazzling crimson scarlet.
Early Flowering—All White—Large pure waved white.
Early Flowering—Blue Bird—A beautiful violet blue.
Early Flowering—Harmony—Lovely shade of lavender.
Early Flowering—Othello—Showy deep purple maroon.
Early Flowering—Rose Charm—Large, a very bright pink.
Early Flowering—Rose Queen—Deep satiny rose pink.

Special Early Flowering Spencer Collection

10 packets, special offer for $1.00

One packet each of the 10 named Early Flowering Spencer Sweet Peas as shown in our catalog for only **$1.00**. parcel post paid.

Special Ounce Collection Early Flowering Spencer Sweet Peas

One ounce of each of the 10 varieties of Early Flowering Spencers for only **$2.50**; parcel post paid.

Antirrhinum or Snap Dragon

RUSSELL-HECKLE'S

SOWING FLOWER SEEDS

BRIEF HINTS ON SOWING—Nine-tenths of the failures in raising flowers are caused by improper treatment of the seeds and young plants. The finer seeds should be started in shallow, well-drained boxes in the house and the young seedlings should be transplanted a few times until they are large enough to be set out into the open ground. Do not plant any seed as long as the ground is wet. A mellow loam, enriched with compost of rotted manure and leaf mould, is best adapted to most flowers. Rake the surface as smooth and fine as possible, elevating the surface of the beds and borders slightly in the middle so that surplus water may run off. Cover the different seeds in proportion to their size, giving very thin covering to small seeds and planting large seeds deeper.

All prices on Flower Seeds are parcel post paid.

SPECIAL RATES ON PACKET FLOWER SEEDS

Select any six 5c size for..... **$0.25**
Select any thirteen 5c size for..... **.50**
Select any thirty 5c size for..... **1.00**
Select any three 10c size for..... **.25**
Select any seven 10c size for..... **.50**
Select any fifteen 10c size for..... **1.00**

We pay parcel post at above rates but allow no further discounts.

Alyssum—**SWEET**—Six to eight inches high; a fragrant, hardy annual, bearing spikes of small white flowers in great profusion. Useful for border of early bedding flowers. Sow the seed early in Spring. Pkt., **5c**; oz., **25c.**

LITTLE GEM—Three to four inches high; fine for borders. Pkt., **10c**; oz., **50c.**

Amaranthus—**Caudatus**—Love Lies Bleeding, very attractive, 3 feet. Pkt., **5c**; oz., **30c.**

AMARANTHUS TRICOLOR—Very attractive annual, called Joseph's Coat. Pkt., **5c**; oz., **50c.**

AMARANTHUS CRUENTUS—Showy annual, known as Princess Feather. Pkt., **5c**; oz., **30c.**

Antirrhinum, or Snap Dragon—Flowers double the size of older sorts, more closely set on the stems and colors more clear and brilliant, growing about 18 inches high.

TALL MIXED—Many colors. Pkt., **5c**; oz., **75c.**

DWARF MIXED—Many colors. Pkt., **10c**; oz., **$1.25.**

SILVER PINK—Satiny pink. Pkt., **10c**; oz., **$1.50.**

Asters—**CHINA**—Very effective in beds or borders. Mixed colors. Pkt., **5c**; oz., **75c.**

GIANT COMET—A good bedding variety with large blossoms, the petals of which are long, narrow and curled backward. Mixed colors. Pkt., **10c**; oz., **$1.50.**

VICTORIA MIXED—Flowers very large and perfect. Pkt., **10c**; oz., **$1.75.**

ALL COLORS MIXED—A combination of all varieties, double, of globular shape and imbricated; 1½ feet high, giving both range of colors and shapes. Pkt., **5c**; oz., **90c.**

Balsam—**DOUBLE MIXED**—Plant 12 to 18 inches apart. Transplanting two or three times has a tendency to dwarf the plants into better shape and to make the flowers more double. Pkt., **5c**; oz., **50c.**

Balsam Apple—Round, pear-shaped fruit with very fine glossy, green foliage. This is a pretty climber. Pkt., **5c**; oz., **30c.**

Balloon Vine—A rapid growing climber; thrives in light soil. Pkt., **5c**; oz., **30c.**

Bachelor's Button—Mixed colors. Also called Globe Amaranth, of easy culture; sow the seed where it is to remain and thin plants to 3 or 4 inches apart. Annual. Pkt., **5c**; oz., **40c.**

Calendula—**(Pot Marigold)**—Very hardly annual, one foot high. Has showy flowers blooming until frost and producing a fine effect in borders. Mixed varieties. Pkt., **5c**; oz., **30c.**

Calliopsis—Showy, beautiful free flowering annuals, excellent for cutting and massing. Mixed colors. Pkt., **5c**; oz., **25c.**

Canary Bird Vine—A beautiful climber with curiously shaped little canary-colored blossoms. Will blossom freely from July until killed by frost. Tender annual. Pkt., **5c**; oz., **35c.**

Auvergne, Ark., Oct. 4, 1924.

Mr. Geo. G. Becker
Chief Inspector.

Dear Sir:—In answer to your inquiry of Oct. 1st as to planting seed ordered off Russell-Heckle Seed Co., last spring and as to their germination, will say the seed were fine and the stand was excellent.

I planted the seed ordered, also some of same variety that I raised myself, as to the stand I could not tell any difference—it was all perfect. While nearly all of my neighbors and friends planted over part and some all of their cotton or had poor stands. My stand was the best I have had in four years.

Yours respectfully,
DAVID A. MAY.

Calendula—Pot Marigold

FLOWER SEEDS

Canterbury Bells—Handsome, hardy biennial of stately growth, rich color and profuse bloom; height 2 to 4 feet. Single mixed colors. Pkt., **5c**; oz. **40c.**

Cardinal Climber—A new and brilliant colored annual climber. Flowers glowing scarlet. 1½ inches in diameter, the tube being 1¼ inches in length. Vines attaining a height of from 20 to 30 feet. Pkt., **10c**; oz., **$1.25.**

Carnation Marguerite—The plants of this wonderful fine strain may be made to flower in four months. The flowers are large, double and very fragrant. Mixed colors. Pkt., **10c**; oz., **$1.50.**

Chinese Woolflower—Plant grows 2 to 3 feet high; produces roundish heads like a ball of wool, of rich colors. Mixed Chinese Woolflower —Pkt. **10c.**; oz., **$2.00.**

Cobea Scandens (Cup and Saucer Vine)—A climber of rapid growth; valuable for covering trellises, arbors, trunks of trees, etc.; large, bell-shaped purple flowers. Pkt., **5c**; oz., **50c.**

Cockscomb Celosia—The finest type of the feathered cockscomb. Huge plumes of crimson flowers. Dwarf sorts mixed. Pkt., **10c**; oz., **$1.50.**

Columbine—Very desirable, easily grown, old-fashioned perennials for borders, forming large, permanent clumps. Pkt., **5c**; oz., **60c.**

Coreopsis—Fine for cutting; graceful flowers. Pkt., **5c**; oz., **40c.**

Cornflower—Known as Ragged Sailor or Cornflower. It is not a pretentious plant but will always charm by its simple beauty.

Single Mixed Cornflower—Pkt., **5c**; oz., **35c.**

Double Mixed—Pkt., **5c**; oz., **50c.**
Single Blue—Pkt., **10c**; oz., **35c.**
Double Blue—Pkt., **10c**; oz., **50c.**

Chinese Woolflower

Cosmos—Among the garden annuals that have come into prominence in recent years the Cosmos leads all. Seeds sown in the open ground in the beginning of April will produce blooming plants in July, and they will continue to flower late in the fall.

Giant Flowering—Pink. Pkt., **10c**; oz., **50c.**
Giant Flowering—Crimson. Pkt., **10c**; oz., **50c.**
Giant Flowering—White. Pkt., **10c**; oz., **50c.**
Giant Flowering—Mixed colors. Pkt., **10c**; oz., **40c.**
Early Flowering—Mixed colors. Pkt., **5c**; oz., **35c.**
Double Cosmos—Mixed colors. Pkt., **10c**; oz., **$1.50.**
Klondyke Yellow Cosmos. Pkt., **10c**; oz., **$1.25.**

Cockscomb

Cypress Vine—Rapid climber, having dark green, feathery foliage, bearing an abundance of star-like flowers; fine for trellises and arbors.

Red Cypress Vine. Pkt., **10c**; oz., **50c**; **Mixed Colors**—Pkt., **5c**; oz., **35c.**

Dahlia (Double)—This strain is a decided advance on the ordinary singles. The plants are of strong, robust habits, and produce in great abundance flowers of immense size, of the most bewildering variety of coloring. Mixed colors. Pkt., **10c**; oz., **$2.00.**

Daisy (Shasta's Burbank)

Pure white; gigantic; will bloom in six months from seeding. Pkt., **10c.**

Giant Flowering Cosmos

Eschscholtzia — California Poppy—A genius of the poppy family, fully as valuable as the common poppy for garden ornamentation, as it blooms almost continuously. Hardy annuals; height 1 foot. Mixed. Pkt., **5c**; oz., **30c.**

Forget-Me-Not—Six inches. Dainty, elegant little plants with graceful flowers, mostly in shades of blue. Mixed—many varieties. Pkt., **5c**; oz., **75c.**

Foxglove (Digitalis)—Grows to the height of 3 or 4 feet, with dense spikes of brilliantly colored flowers. Mixed colors. Pkt., **5c**; oz. **60c.**

Four O'Clock (Marvel Peru)—Mixed. These flowers are funnel shaped, and open about four o'clock in the afternoon, remaining open all night. Hardy annual; 2 feet high. Pkt., **5c**; oz., **20c.**

Cultivate and fertilize the asparagus bed so that the crowns may develop properly during the summer and be able to produce a heavy crop of shoots next summer. Remember that the yield and quality of the asparagus depend largely upon the treatment given the asparagus this year.

Plant bunch beans every ten days or two weeks for succession of snap beans. Bountiful, Black Valentine and Giant Green Pod are good varieties for the home garden. Cultivate the garden after every rain to keep it absolutely free from grass and weeds and to preserve moisture.

Dust the Irish potatoes with Arsenate of Lead to kill the potato beetles. Also dust cabbage plants with Arsenate of Lead to destroy cabbage worms.

Gaillardia—Blanket flower, showy and excellent for beds or for cutting. Hardy annual 1-2 feet high, mixed. Pkt., **5c**; oz., **50c.**

Gourd—A tribe of climbers with curiously shaped and colored fruit. Tender annual; 10 to 20 feet high. Pkt., **5c**; oz., **25c.**

Helichrysum—Hardy annual everlasting flower, large double blooms called the Straw Flower, mixed colors. Pkt., **5c**; oz., **50c.**

Heliotrope—Will bloom as easily from seed as any of the common annuals. Pkt., **10c**; oz., **$1.25.**

Hyacinth—**OR JACK BEAN.** A rapid growing annual climber; mixed; all colors. Pkt., **5c**; oz., **20c.**

Hollyhocks—**(DOUBLE, MIXED COLORS)**—Our seeds have been saved from the finest and largest double flowers only, and will produce flowers extremely double and in the best, brightest and most charming colors. Sow in April, May or June for next year's blooming.

Double Red Hollyhock. Pkt., **10c**; oz., **$1.50.**
Double Pink Hollyhock. Pkt., **10c**; oz., **$1.50.**
Double White Hollyhock. Pkt., **10c**; oz., **$1.50.**
Double Mixed Hollyhock. Pkt., **10c**; oz., **$1.25.**

Ice Plant—A handsome and curious plant for hanging baskets, rock work and vases. The leaves and stems appear as though covered with ice crystals. The flower is white and pink. Pkt., **5c**; oz., **35c.**

Kochia—**OR SUMMER CYPRESS**—Grows quickly from seed sown in the open ground. The bushy plants resembling balls of fire; makes a good summer hedge. Pkt., **5c**; oz., **35c.**

Larkspur—The larkspur is one of the handsomest and most useful of plants and for large gardens is invaluable. Tall annual.

SKY BLUE LARKSPUR. Pkt., **10c**; oz., **75c.**
PURE WHITE LARKSPUR. Pkt., **10c**; oz., **60c.**
SHELL PINK LARKSPUR. Pkt., **10c**; oz., **75c.**
FINEST MIXED LARKSPUR. Pkt., **5c**; oz., **40c.**
PERENNIAL. The hardy kind. Mixed varieties. Pkt., **10c**; oz., **$1.25.**

Marigold—**TALL MIXED**—Immense flowers, 9 to 14 inches around; double; primrose, lemon, orange and golden shades. Hardy annuals, in bloom till frost comes. Pkt., **5c**; oz., **45c.**

DWARF FRENCH. Fine for edging and bedding. Pkt., **5c**; oz., **40c.**

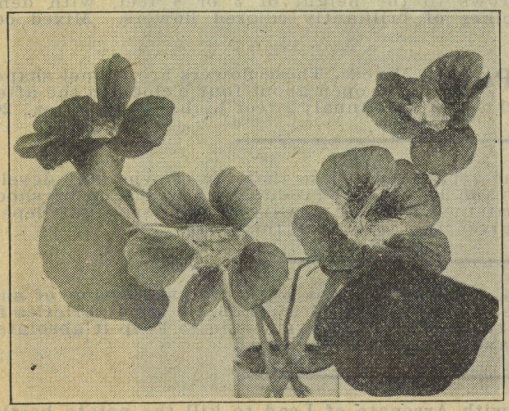
Mignonette (Sweet)—A well known, hardy annual, producing dense spikes of exceedingly fragrant flowers. If sown at intervals in spring and summer, it will bloom until killed by frost. Pkt., **5c**; oz., **20c.**

Moon Flower—So called from its rare peculiarity of blooming best at night. A beautiful climber, producing large, sweet-scented flowers 4 to 5 inches across. Tender annuals, 15 to 20 feet. Soak seed and plant in warm sunny place. White moon flower. Pkt., **10c**; oz., **50c.**

BONA NOX. Blue moon flower; large and fragrant. Pkt., **10c**; oz., **45c.**

Morning Glory—**CHOICE MIXED**—A hardy climbing annual growing about 10 feet high. Flowers exist in a great variety of colors, tints and markings. Pkt., **5c**; oz., **10c.**

JAPANESE MIXED. New improved Japanese Convolvus flowers measuring from 4 to 5 inches across; great variety of colors. Pkt., **5c**; oz., **25c.**



R.-H. Co.'s Fancy Nasturtiums

Marigold

Hollyhocks

Nasturtiums

Annual. For ease of culture, duration of bloom, brilliancy of coloring and general excellence, nothing excels Nasturtiums. All they need is a moderately good soil in a well drained, sunny position.

DWARF CHOICE MIXTURE. A magnificent strain containing countless shades, colors, stripes, blotches and veinings. Pkt., **5c**; oz., **10c**; ¼ lb., **25c**; 1 lb., **75c.**

CHOICE TALL MIXED. Giant flowers, the plants producing a profusion of bloom. Pkt., **10c**; oz., **15c**; ¼ lb., **25c**; 1 lb., **75c.**

R.-H. Co.'s Fancy Nasturtiums—We have put into these mixtures the cream of all standard and new varieties of Nasturtiums, all the brightest colors, the blotched kinds and all the desirable shades. These vary from pearly white to deep dark shades intermingled with the bright rose and crimson, making our fancy mixture a rich combination of colors.

R.-H. Co.'s Dwarf Mixed Nasturtiums—Pkt., **10c**; oz., **20c**; ¼ lb., **50c**; 1 lb., **$1.50**; parcel post paid.

R.-H. Co.'s Tall Mixed Nasturtiums—Pkt., **10c**; oz., **20c**; ¼ lb., **50c**; 1 lb., **$1.50**; parcel post paid.

Pansies—These popular flowers thrive best on a cool, moist but well-drained soil, enriched with well-rotted barnyard manure or fine ground bone. Seeds sown early will produce fine plants for summer blooming.

PANSY CHOICE. A splendid mixture of many very fine varieties. Pkt., **5c**; oz., **$1.00.**

PANSY (MAMMOTH FLOWERING, MIXED). A special mixture of all the Giant Pansies; very fine colorings; contain an almost endless variety of shades. Pkt., **10c**; **oz., $1.50.**

Pinks

Petunias— **FINE SINGLE MIXED**—Good mixture of all free blooming colors. Pkt., **5c**; oz., **60c.**

MAMMOTH FLOWERING—Large flowering Grandiflora, all colors mixed, single fringed and ruffled. Pkt., **10c**; oz., **$1.50.**

HOWARD'S STAR—Compact-growing variety; flowers striped and blotched. Pkt., **10c**; oz., **$2.00.**

INIMITAL STRIPED AND BLOTCHED—Includes striped or fine mixed flowers in a wide range of colors. A fine bedder. Pkt., **10c**; oz., **$1.00.**

DOUBLE MIXED—Will come 70 per cent double from seed. Finest mixed. Pkt., **25c.**

NANA ERECTA PETUNIA—A dwarf type of Petunia suited for solid beds or borders; the plant is covered with thousands of blossoms which last until frost. Mixed Nana Erecta Petunia. Pkt., **10c**; oz., **$2.00.**

BALCONY PETUNIAS—A splended large and free flowering type either for vases, hanging baskets or window boxes; flowers average three inches across, making a very effective display. Mixed colors. Pkt., **15c**; 2 pkts., **25c.**

Phlox— The annual phlox occupies first place as a garden annual, being one of the most brilliant and at the same time one of the easiest and most satisfactory plants which can readily be grown from seed. It will grow and thrive in any kind of soil if given a sunny position, but prefers a light, rich loam. Seed may be sown in the open ground any time after danger of frost is past.

DRUMMONDII (Choice Mixed)—Contains fine, select varieties of this showy annual. Pkt., **5c**; oz., **60c.**

DRUMMONDII (Large Flowering Mixed)—Pkt., **10c**; oz., **$1.25.**

FIREBALL—Flowers large, blood red. Pkt., **10c.**

SNOWBALL—Large, clear white flower. Pkt., **10c.**

Inimital Striped and Blotched Petunias

Pinks— **DIANTHUS** — Hardy and half-hardy biennials and perennials, but nearly all blooming the first year from seed; of easy culture.

CHINA DOUBLE MIXED—Pkt., **5c**; oz,. **50c.**

HEDDEWIGII DOUBLE MIXED—Flowers very large and double and of various shades of brilliant colors. Pkt., **5c**; oz., **60c.**

DOUBLE DIADEM—A most brilliant mixing of colors of bewildering beauty. Pkt., **5c**; oz., **80c.**

Phlox

R-H Co's. Spencer Sweet Pea Collection

Twelve superb Spencer Sweet peas, every one different, one packet each of the following Spencer Sweet peas for only **75c.**

Countess Spencer, Bright Pink.
Edna May Spencer, Purest New White.
Fiery Cross Spencer, Orange Scarlet.
King White Spencer, Large White.
May Unwin Spencer, Orange Red.
Margaret Atlee, Buff Pink.
Imp. Fred Austin, Giant Lavender.
Royal Purple Spencer, Rich Purple.
The Cardinal Spencer, Deep Scarlet.
Royal Scot Spencer, Dazzling Crimson.
Warrior Spencer, Deep Maroon.

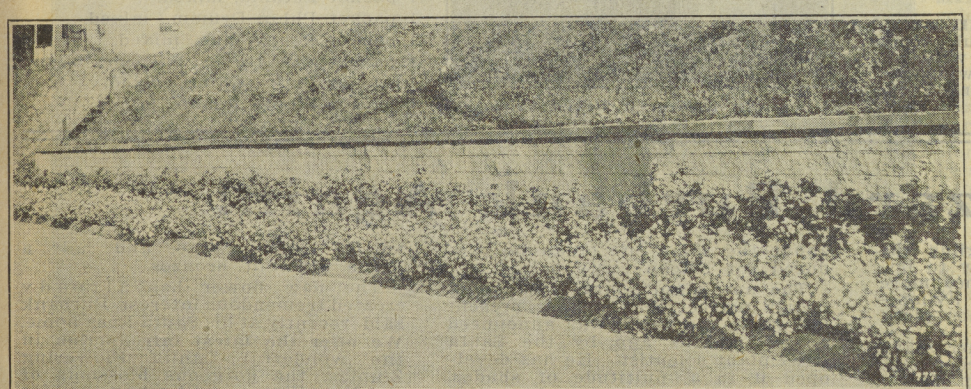
Be sure to order your insecticides with your general seed order. By spraying early and often you will save money and your crop.

R-H Co's. Big Dollar Collection

30 packets of Top Notch Garden seed for only **$1.00** postpaid. At regular prices these seed would cost exactly **$1.80** but to get you to try our Top-Notch brand of Garden Seeds we will send you by parcel post the following 30 packets on receipt of **$1.00:**

No.
1 Beans, Early Red Valentine.
2 Beans, Ky. Wonder, Pole.
3 Beans, Carolina Pole, Butter.
4 Peas, Ex. Early Alaska.
5 Peas, Telephone, tall.
6 Corn, Early Surprise.
7 Beet, Crosby's Egyptian.
8 Cabbage, Early Flat Dutch.
9 Cabbage, Chas. Large Wakefield.
10 Collard, True Southern.
11 Carrot, Improved Long Orange.
12 Cucumber, Improved Long Green.
13 Canteloupe, Rocky Ford.
14 Lettuce, Big Boston.
15 Mustard, Southern Giant Curled.
16 Parsnip, Sugar Hollow Crown.
17 Pepper, Chinese Giant.
18 Parsley, Double Curled.
19 Pumpkin, Ky. Yellow Field.
20 Radish, Ea. Scar. Tur. wh. tip.
21 Ruta Baga, Imp. Purple Top.
22 Spinach, Bloomsdale Savoy.
23 Squash, Early White Bush.
24 Swiss Chard, Silver Beet.
25 Tomato, Ea. Detroit.
26 Tomato, Ponderosa.
27 Turnip, Mam. Purple Top Globe.
28 Turnip, Large White Globe.
29 Turnip, White Flat Dutch.
30 Watermelon, Kleckley Sweets.

$1.00 buys the above 30 packets of garden seeds and we pay the postage. No changes allowed in the assortment.



Mammoth Flowering Petunias

Poppies—**DOUBLE PEONY FLOWERED**—Annual variety; mixed; large, full, double fringed flowers. Pkt., **5c**; oz., **20c.**

SHIRLEY—These handsome flowers are single, beautiful in color, from pure white to deep crimson. Pkt., **5c**; oz., **30c.**

DOUBLE CARNATION FLOWERED—Extra large and double. Pkt., **5c**; oz., **25c.**

DOUBLE, FINE MIXED—A combination of all varieties, single and double flowers. Pkt., **5c**; oz., **25c.**

Portulaca—**SINGLE**—Fine mixed. Pkt., **5c**; oz., **50c.**

DOUBLE—Fine mixed. Low-growing or creeping tender annual, 6 to 8 inches high, and bearing glossy, cup-shaped blossoms; very brilliant, gorgeous colors. Pkt., **10c**; oz., **$2.50.**

Ricinus—Caster Oil Bean—Stately, strong growing annual plants, with very ornamental foliage, well adapted as center plants of groups of cannas, dahlias, etc. Moles are troublesome in many gardens, but they may be kept away by planting Castor Beans in the borders. Ricinus Castor Bean, Mixed. Pkt., **5c**; oz., **15c.**

Salvia (Scarlet Sage)—A tender perennial, blooming the first season from seed. The blossoms are borne on long stems in racemes or spikes. The plant blooms profusely. Pkt., **10c**; oz., **$2.00.**

SPLENDENS—By far the largest flowering variety of Scarlet Sage. Well grown plants measure four feet across and three to four feet high. Pkt., **10c**; oz., **$1.50.**

CLARA BEDMANS—Flowers of a most brilliant, dazzling scarlet; one of the finest. Pkt., **15c**; oz., **$2.50.**

Scarlet Runner Beans—A great favorite, not only as an ornamental climber, but for the delicious edible beans which succeed the bright scarlet sprays of pea-shaped blossoms. Pkt., **5c**; oz., **15c.**

Sunflower—Tall growing plants, with large and showy yellow flowers; hardy annuals. Any variety:

DOUBLE DWARF—4 feet. Pkt., **5c**; oz., **40c.**

GLOBE OF GOLD—4½ feet. Pkt., **5c**; oz., **30c.**

DOUBLE TALL—7 feet. Pkt., **5c**; oz., **30c.**

SINGLE—5 feet. Pkt., **5c**; oz., **30c.**

Sweet William—**SINGLE**—Varieties; mixed; more attractive than the double. Pkt., **5c**; oz., **40c.**

DOUBLE—Mixed; a mammoth flowered type of great beauty. Pkt., **10c**; oz., **$1.50.**

Thunbergia—**BLACK-EYED SUSAN**—A beautiful, tender climber, 3 to 5 feet high, with pale yellow or orange-yellow flowers, having a distinct black center. Tender annual. Pkt., **10c**; oz., **75c.**

Shirley Poppies

Verbenas—**CHOICE**—Mixed; embraces all colors. Pkt., **5c**; oz., **50c.**

MAMMOTH FLOWERED MIXED—Embraces a wide range of the most beautiful colors, the clusters being of large size. Pkt., **10c**; oz., **$1.00.**

FINE PINK—Pkt., **10c**; oz., **$1.00.**

DEEP PURPLE—Pkt., **10c**; oz., **$1.00.**

BRIGHT CRIMSON—Pkt., **10c**; oz., **$1.00.**

PURE WHITE—Pkt., **10c**; oz., **$1.00.**

STRIPED—A mixture of striped sorts. Pkt., **10c**; oz. **$1.00.**

Vinca—**PERIWINKLE**—Ornamental free-blooming, handsome bushy plants, with glossy foliage and round single flowers, 1½ inches across. Blooms the first season from seed. Desirable for massing or borders. Vinca, mixed colors, Pkt., **10c**; oz., **$1.00.**

VINCA ROSEA—Pink, Pkt., **10c**; oz., **$1.25.**

VINCA ALBA—Pure white. Pkt., **10c**; oz., **$1.25.**

Mammoth Flowered Mixed Verbenas

Wild Flower Garden Mixture—A delightful surprise to thousands of flower lovers; not a tame garden of wild flowers, but a wild garden of tame flowers. A mixture of the choicest seeds, mostly annuals, to be sown haphazard, in a promiscuous way. Pkt., **5c**; oz., **25c**; ¼ lb., **75c**; 1 lb., **$2.50.**

35c R-H Seed Co's Flower Seed Collection **35c**

One packet each of the following 10 varieties of flower seeds, mailed on receipt of **35c.**

1 packet Sweet Alyssum.
1 packet Aster, mixed.
1 packet Cosmos, mixed.
1 packet Nasturtium, dwarf, mixed.
1 packet Petunia, mixed.
1 packet Phlox Drumm., mixed.
1 packet Poppy, fine, mixed.
1 packet Sweet Peas, Spencers mix.
1 packet Pinks, China, mixed.
1 packet Zinnia, double, mixed.

Wizard Burbank Again!

Luther Burbank, who gilds the lily by showing nature how to improve upon herself, has once more reduced the high cost of living—at least for people who plant dahlia beds.

Heretofore the bulbs necessary for a bed of dahlias have cost anything from a few dollars up. Hereafter, thanks to the new Burbank giant dahlia-flowering zinnia, just about the same effect can be produced for fifteen cents.

The new zinnia, larger and more nearly perfect than any at present known to the world was announced a few months ago by the Santa Rosa plant scientist. He has developed it in a multitude of shades, including crimson, pure white, yellow, old rose, salmon, pink, white shaded with orange, and half a dozen different bronzes.

The new flower has already created tremendous interest, Burbank said recently at his Santa Rosa home. **We offer the latest introduction** in the wonderful Dahlia Flowering Zinnias, the gorgeous blossoms of the New Zinnias will repay you for all of your trouble and labor.

Dahlia Flowering Zinnia

RUSSELL-HECKLE'S ZINNIAS

Zinnias begin to bloom early in the summer and continue profusely until frost, requiring no attention and succeeding almost anywhere. Hardy annual.

New Dahlia-Flowered Zinnias—In this fine new type of Zinnias the flower petals stand well apart. This characteristic adds to the texture of the flowers and lends a graceful and airy appearance. The flowers have a close resemblance to Decorative Dahlias. Many fine colors.

DAHLIA FLOWERING ZINNIA IN SEPARATE COLORS. Price: Any variety, pkt., **25c**; ½ oz., **$2.00**; oz., **$3.50.**

Crimson Monarch—Immense size, bright crimson scarlet.
Exquisite—A pleasing shade of rose color, one of the finest pinks.
Polar Bear—Extra large pure white, no other variety will equal same.
Golden State—Rich golden yellow shading to orange as the flower opens.
Oriole—Orange and gold, a most attractive shade, very large.

NEW DAHLIA FLOWERING ZINNIAS—MIXED COLORS. A fine combination of this wonderful variety. **Prices:** Pkt., **15c**; ½ oz., **75c**; oz., **$1.50.**

New Cactus Flowered Zinnias—Distinct in form, petals quilled, and much resembles the Cactus Dahlia; the colors range through various shades of yellow, orange, pink, rose, scarlet and bright crimson, the flowers are produced in abundance and on well grown plants the blossoms will average four to five inches in diameter.
Prices: Mixed colors, pkt., **15c**; ½ oz., **$1.00**; oz., **$1.75.**

Picotee, mixed Zinnia—The flowers are always of the largest size. Pink, light and rich yellow orange, etc., all tipped rich mahogany-brown on the end of each petal. The darker flowers are tipped with a contrasting light shade. Pkt., **15c**; ½ oz., **75c**; oz., **$1.50.**

Choice Double Mixed Zinnia—Embracing all the variously colored double varieties, making an elegant mixture for groups, beds, borders, etc. Pkt., **5c**; oz., **50c.**

Double Curled and Crested—A new strain, fantastically shaped flowers with twisted petals, brilliant colors. Mixed, 2 feet. Pkt., **10c**; oz., **$1.00.**

R.-H. Co.'s Fancy Giant Zinnias—In this strain of Zinnias we have a flower of perfect form, round, full and double and immense in size. The individual plants form large bushes and bear above the foliage numerous flowers on long, stiff stems, which makes them valuable for cutting and will render them a favorite wherever tried. The plants grow from 2½ to 3 feet high, while the flowers often measure 5 to 6 inches across, and thickly set with velvety petals.

Fancy Crimson	Pkt., **10c**;	oz.,	**$1.00**
Fancy Pink	Pkt., **10c**;	oz.,	**1.00**
Fancy White	Pkt., **10c**;	oz.,	**1.00**
Fancy Yellow	Pkt., **10c**;	oz.,	**1.00**
Fancy Orange	Pkt., **10c**;	oz.,	**1.00**
Fancy Shrimp Pink	Pkt., **10c**;	oz.,	**1.00**
Fancy Scarlet	Pkt., **10c**;	oz.,	**1.00**
Fancy Purple	Pkt., **10c**;	oz.,	**1.00**
Fancy Striped	Pkt., **10c**;	oz.,	**1.00**
Fancy Giant Mixed Colors	Pkt., **10c**;	oz.,	**1.00**

R.-H. Co.'s Giant Zinnia

Dwarf Zinnias—This type is wonderfully adapted to borders or beds. The plants are compact and are covered with a multitude of flowers all during summer and fall. Well-grown plants measure 12 inches in height.

DWARF ZINNIA RED RIDING HOOD—12 inches high. Small, intense scarlet flowers. Effective border plant. Pkt., **10c**; oz., **$1.00.**

DWARF ZINNIA DOUBLE MIXED—Very dwarf. Mixed, all colors. Pkt., **5c**; oz., **75c.**

Spray the apples with Bordeaux Mixture and Arsenate of Lead during the last week in May.

Remember that the peaches must be sprayed every two weeks with Atomic Sulphur spray for the control of Brown Rot.

Spray tomatoes with Bordeaux Mixture every two weeks for the control of leaf disease.

Plant tomato seed in May and transplant during July in the garden or field. These will produce tomatoes during September and October. The Stone is a good late variety.

COTTON

WHAT about cotton in 1925? Will the price be high or low? Well, if we knew the answer to that question we could retire from business at the end of this year. But, whether the price of cotton is high or low the farmer who takes advantage of the knowledge of cotton varieties offered him free of charge by the Government and State Experiment Stations, will make more money each year than the man who plants seed mixed at a public gin year after year.

The various experiment stations have been trying out every known variety of cotton and every suggested method of cultivation for years. We do not have to rely on guesswork any longer for we can get reliable information, obtained by experts in cotton culture through the most careful and painstaking efforts year after year. What do the results from Experiment Stations teach us? First of all, that only pure bred cottonseed of the earliest maturity should be planted. Why? Because only the earliest maturing cotton will make a crop in a boll weevil year, or when we have an early killing frost.

The weevil did practically no damage at all in 1924 because of the extraordinary hot dry summer, but he is here and likely to break out in such numbers as to do terrific damage any time we get a moist May and June. The Army Worm is also likely to come back any year and the earliest maturing variety of cotton will suffer less from this pest than any other.

The Danger of "Gin-Run" Seed

We are all familiar with the fact that cottonseed "runs out," under ordinary farming conditions. This is due to mixing with other varieties on adjoining farms through the agency of bees carrying pollen; through planting all the seed saved rather than only from selected stalks of cotton; and through mixing at the gins. Regardless of how mixing occurs, the results are the same—a poor crop. Most assuredly it will pay you in dollars and cents to sell your old seed, and buy pure pedigreed, "bred-up" cottonseed.

The U. S. Department of Agriculture has determined through late tests that cottonseed becomes so badly mixed at public gins that it is usually profitable for the farmer who does not own his own gin to buy bred-up cottonseed, a pedigreed seed from a reliable source each year, selling to the oil mill the old seed.

Good Seeds Are Half the Battle

After you buy your seed, you spend the next six months in raising and gathering the crop—using all your energy and ability to make a go of it. It takes just as much time and work or a little more, to make a crop with poor seed as with good seed—but pure pedigreed seed will make a third to a half more cotton on the same amount of soil. You cannot expect seed to produce any better cotton than the crop from which they came. Can you afford not to plant pure seed?

Why It Pays to Buy Russell-Heckle's Pedigreed Cottonseed

A great many of us do not realize that the breeding, selecting, and improving of different types of cotton requires expert knowledge—knowledge which it takes years of hard work and expensive study to acquire. This is why bred-up, pedigreed seed costs a little more, but additional yields obtained from such seed prove pedigreed seeds are cheapest in the long run.

In selecting our planting seed for our many thousand customers we have covered most of the South. We buy from some of the best known seed breeders in the cotton belt, or where a breeder of a certain variety has only a limited production, and consequently asks exorbitant prices, we contract with reliable growers who furnish us seed grown from breeders' stocks. Our aim is to furnish our customers the highest grade of seed obtainable at prices that are within reason. To do this we import certain varieties from North Carolina, South Carolina, Arkansas, Mississippi, Oklahoma, Tennessee, etc. We allow no expense to hold us back—when we find a cotton that is making money for the man that grows it, we get it for our customers. Our customers must have the best before we are satisfied, and we invite you to join the legion of friends we have made in this way.

We Have No Axe to Grind

We are not selling just one variety and claiming that one to be the only cotton to plant. There is no single cotton that is the best for any and all conditions—one variety does best under some conditions and on some soils, while another variety pays better under different conditions. You get our unprejudiced opinion on all varieties. We carry in stock all of the thoroughly tried out standard varieties that experience has proven good, and we buy the purest strains of pedigreed stocks available of these different varieties.

Courtesy Southern Alluvial Land Association

FOR 1925 RUSSELL-HECKLE'S PEDIGREED COTTONSEED

Wannamaker Cleveland

Half and Half

This has been the most roundly "cussed and discussed" cotton ever developed, the principal objection being that the lint is so very short, shorter than any other variety, so that it is often spoken of slightingly as "rabbit hair." In spite of this, however, there are sections of the South where nothing but Half and Half is planted, or has been grown for years. The reason for its popularity in such places is that it turns out more lint at the gin than any other variety, running from 40 to 45%, which means that 1,200 pounds of seed cotton will produce a bale of 480 to 540 pounds, which is most remarkable.

The lint is not popular with cotton mills because it is so short and rather brittle, but from a grower's standpoint, considering its lint outturn, its earliness of maturity, ease of picking and yield in field, it is easy to see why so many farmers insist on our furnishing it every year. They tell us that they generally get the same price for Half and Half cotton that other short cottons bring, and that even if they don't get quite so good a price per pound, they still make more money with Half and Half because of getting more lint per acre than with any other cotton.

For many years we did not list Half and Half Cotton in our catalog because we felt that the lint would bring so much less than other cottons the grower of Half and Half would lose money. Now that so many country cotton buyers pay the same price for this variety as for longer staples the same objection does not apply, and so many of our farmer friends have come to us asking that we get for them some Half and Half cottonseed, so they could be sure of obtaining the genuine, we finally decided to list and handle this seed. In doing this, we purchase the same carefully selected seed stocks as in our other standard varieties.

A SQUARE DEAL is positively given every customer who purchases his seed from us, and on account of changing prices that are prevailing we will undertake to protect our customers by giving them every advantage possible.

Extra Early Medium Boll Varieties

Wannamaker Cleveland

This is probably the best known of all the early maturing short cottons on the market today. It is the result of years of breeding work on the part of W. W. Wannamaker & Sons over in the Carolinas, this firm being one of the foremost cotton seed breeders in the South. They took the old Cleveland cotton to begin with, and through "plant to row" breeding methods for several years, produced a strain very much earlier in maturity than the parent plant, which is what they desired, for they wanted a cotton "to beat the boll weevil." The cotton has not quite so big a boll as the original Cleveland, nor quite so long a staple; however, it classes as a big boll type and staple runs from 1 inch to 1 1/16 in length. It combines the three most desirable characteristics in a cotton for boll weevil conditions and elsewhere—extreme earliness of maturity, extra large lint-out-turn at gin, and prolific yield in the field. It comes nearer thriving under any and all conditions than any other variety we know of, and is recommended by the different Experiment Stations for both hill and valley lands. Seeds are straight, brownish color, bolls are large, plants uniform, foliage medium, lint percentage 39, staple 1 to 1 1/16 inches. Yields of two bales per acre have been made in many cases with Pedigreed Wannamaker Cleveland.

Year in and year out we have watched Wannamaker Cleveland cotton and we have reached the conclusion this is undoubtedly the best of all the short cottons. You are surer of a crop from this cotton than from any other short variety and usually a much bigger crop.

Half and Half

Extra Early Medium Boll Varieties (Cont.)

King's Early Improved—If a farmer finds it necessary to replant his cotton crop in May, there is no variety that will equal King's Early Improved for planting late. It is undoubtedly one of the earliest cottons grown, and has pulled many a farmer "out of the hole" where any other variety would have failed.

King's Early Improved is a very prolific cotton and on new ground we have seen some remarkable yields. Originally the boll was very small but breeding has developed this into a medium sized ball, and the turnout at the gin is about 36%, which is very, very good. Staple about ⅞ inches.

Our King's Early Improved is grown for us each year in the Northernmost part of the cotton belt in North Carolina. We have found that this particular variety gives earlier maturity than seed grown further south, and earliness comes first of all.

Simpkin's Prolific—This is another North Carolina cotton and is almost identical with King's Early Improved. The description of one is the description of the other. Earliness of maturity and prolific yield are its outstanding qualities.

Station Trice 270-41—This is the strain that has made such a record at the Mississippi Experiment Station, heading the list in lint production per acre in practically all tests in 1923. That was a boll weevil year and only the fastest maturing cottons could make such a record—there is nothing earlier than Station Trice 270-41 that we know of.

Station Trice 270-41 pulls a commercial 1⅛ inches on good land. The plant is not large, the foliage light, letting the sun get in to the bolls. The bolls are medium sized, easy to pick, about 32% out turn at the gin.

In a boll weevil year, or in the Northern part of the cotton belt where frosts come early, Station Trice 270-41 will be at its best because it sets its fruit so extremely early, and will produce more cotton at the first picking than any variety we know of.

Prices: On account of catalog going to press before market prices have been established, we are unable to give quotations on cottonseed on these pages. Write for current prices.

Extra Early Big Boll Varieties

Acala No. 5—Was brought to this country from Mexico by the Government in 1904. It was carefully bred by the Department and later on by several Texas and Oklahoma seed breeders until it has a distinct type and distinct advantages all its own. Some of the best crops of cotton raised in the Memphis territory for the past three or four years, have come from Russell-Heckle's Seed Co. Acala No. 5.

Extra earliness is necessary where the boll weevil is present. Acala No. 5 is extra early, earlier even than Wannamaker Cleveland. Acala No. 5 has a staple of usually 1⅛ inches, with the strongest, toughest fibre, which brings a premium in price every time over ordinary short cottons. Its turnout at the gin is truly remarkable for this length of staple running from 37 to 40%; 1250 lb. of seed cotton often makes a 500 lb. bale.

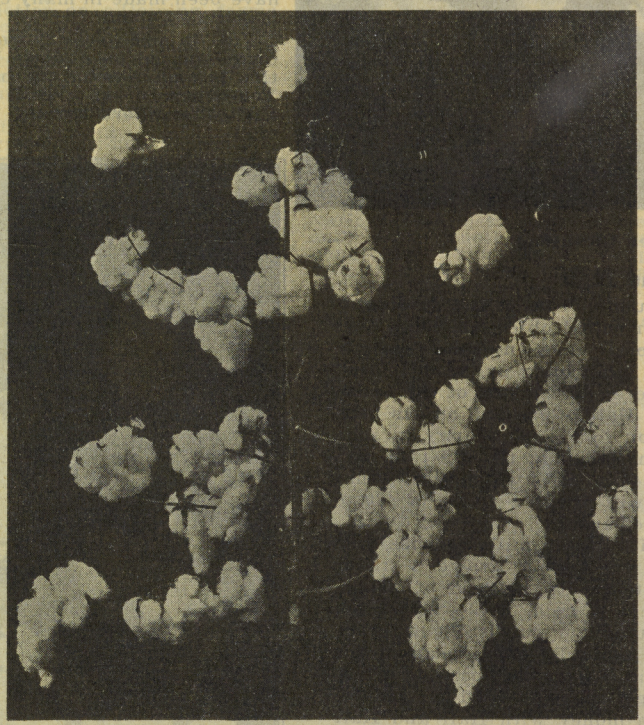
Acala No. 5 has a large boll, and is very easily picked, yet is absolutely storm proof—you know how important that is. Its foliage is light to medium, allowing the sunlight to reach all the branches and mature all bolls.

The United States Department of Agriculture has issued a bulletin on this wonderful variety and among other things they state, "it meets a distinct agricultural need in maturing somewhat earlier than Lone Star or other big boll cottons. On this account it promises to be rapidly extended in cultivation in parts of northern Texas, Oklahoma and Arkansas. Its earliness in these sections makes it especially adapted to the bottom lands, where cotton tends to grow rank and be late in maturing, and on the more northern highlands where frost shortens the growing season. It is particularly noted also for a good drag and the extra strength of its fibre."

A cotton buyer in Arkansas reports that Acala No. 5 cotton brought as high as $32.00 per bale above ordinary short cotton during 1922. Think of it! and then remember that Acala No. 5 makes as much or more cotton in the field and a bigger turn-out at the gin than the ordinary cotton.

The past summer, 1924, was exceedingly dry, some sections getting no rain for seven to eleven weeks. Acala No. 5 stood this long drought much better than most cotton, and made yields from one-half to three quarters bale per acre when other varieties were running less than a fourth bale.

Acala No. 5 is a "sure crop" cotton in a weevil year or dry year. Play the game safe and plant some of this remarkable variety.



Acala No. 5 Cotton

Produced three-fourths bale per acre this season under boll weevil conditions. Lint 1⅛ inch flat, with good drag and extra strong.

Mebane Early Triumph

For several years there has been an increased demand for a tough-fibre-cotton of medium staple; something between the ordinary short varieties and long staples. Mebane Triumph is ideal in this respect; pulls from 1 1/16 to 1⅛ inches, has a strong, tough fibre, storm-proof and makes a good "bender" cotton, bringing good premium in price. Extra large boll, easy to pick, drought resistant, lint out-turn at gin 37 to 39 per cent, and one of the earliest of the extra big boll cottons.

Salsbury—This cotton was bred from two well known varieties, Wannamaker - Cleveland and Express, and has been planted generally now three years, with especially good results in 1924. Salsbury cotton has a lint percentage almost equal to Wannamaker and the length of staple of Express 1⅛ inches; it is early in maturity and a heavy yielder in the field, a good variety for any section.

PRICES

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DELFOS 6102

A Long Staple, Yet Earlier Maturing Than Short Varieties, and More Prolific; the Leading Variety at the Delta Branch Experiment Station for the Past Six Years

BEFORE we decided to feature Delfos 6102 in our catalog we investigated it thoroughly and knew what it could be depended on to do. The large majority of our customers however knew practically nothing about it, and many who bought did so merely on faith in this firm. It is therefore very pleasing to us to be able to state that Delfos 6102 made good wherever the genuine seed were planted.

What is the reason for Delfos wonderful popularity? Well, was anything ever pleasanter than more money in your pockets? That is the answer—Delfos 6102 has uniformly made more money for the man who planted it than any other cotton, and it has done this right along for the past five years. When one variety of cotton leads the field for five years average then you may know it is no "flash in the pan," but a cotton that will pay you to plant, as it has paid so many others.

Delfos 6102 is a staple cotton 1 3-16 inches long, yet earlier in maturity than most every short cotton, making its crop before the weevil can destroy it. It is as prolific as the short cottons, and as easy to pick. When you add to this the fact that it usually brings a big premium over short cottons ($25.00 per bale in 1924) you can see why those who grew it once will continue to do so.

In 1923 we had a combination of unfavorable circumstances to combat in growing a cotton crop—the boll weevil, the army worm, and the very unfavorable weather throughout the season, all three being very destructive. This was a mighty big handicap to give a comparatively new cotton the first year it was given wide distribution but note this—in practically every case we know of where there was Delfos on one side of the road and another variety on the other, the field of Delfos made its owner the most money per acre, and in many cases actually made the biggest yield of cotton per acre. This was true even where the weevil was thickest.

Delfos 6102 has very light foliage, the sunlight can get all through the plant, bringing out a most wonderful quantity of blooms, and setting more forms up to August 1st than the weevil can destroy. It is therefore adapted to closer spacing than possible with more rank varieties. It has done well over a wide range of territory, particularly on rich Delta soils. But note what the Delta Branch Experiment Station (Mississippi) says about it in Bulletin 215 January 1923—

> "Due to its earliness, prolificacy, open type and dwarfness, Delfos 6102 is especially adapted to new or other rich land. This does not mean, however, that it is not good for general planting. It has made good on all types of soil. Except on wilt infected soil and probably on extremely thin unfertilized soil there is probably not a higher lint producer in existence and certainly there is no better producer in the staple class."

That is mighty fine, isn't it, after Delfos has been bred, tested and observed there for ten years? As to very thin soil, it is foolish to try to grow any cotton on such soil without fertilizer—use fertilizer and Delfos 6102 will yield there as it does everywhere else. As to wilt infected soil, there is not very much of it in our territory, particularly in the Delta sections.

Description—very dwarf, widely pyramidal, leaves very small, foliage very sparse, fruit limbs very long for size of plant, very few basal and vegetative branches; bolls 75 to 80 to pound, length of staple 1⅛ inches to 1 3/16 inches, of very good quality under normal conditions—note the lint percentage, 31 to 32%. 1,600 lb. seed cotton making a 500 lb. bale.

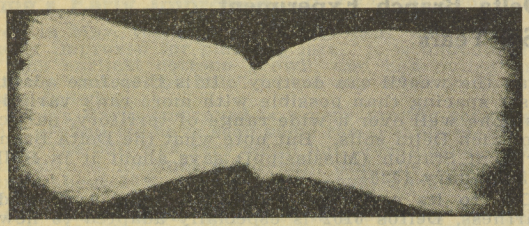
If you buy Russell-Heckle's Delfos 6102 you will get the genuine. Don't sacrifice your chance for a "big crop of cotton" by buying seed from some unknown dealer or grower.

Other Varieties

We have listed and described only the most popular varieties in this catalog. There are, of course, many other varieties on the market, some with different characteristics, some with merely different names. If you want a variety that you do not see listed, write us its name, and the number of bushels you want and we shall be glad to get it for you, probably for less money than you can buy it for elsewhere, of the same quality.

"Delfos 6102" on Mississippi Delta Plantation in 1923—Boll weevil and army worm could not stop it.

Early Maturing Long Staples



Delfos 631—Full 1¼-Inch Staple

Delfos 631—This is another famous strain of cotton developed at the Stoneville Experiment Station in the Mississippi Delta. In many respects it is very similar to Delfos 6102, also described herein, probably no other cottons ever developed have attracted the attention that these two Delfos cottons have throughout the Middle South. Unquestionably they represent the best yet developed in long staple cotton.

Delfos 631 grows more rank than Delfos 6102 and therefore on extra strong soils is not so desirable. However, on lighter soils it will have the advantage, because the bigger the stalk the more bolls it will carry.

Deltatype Webber—This was originated by the Pedigreed Seed Company in Carolina, and is one of the most profitable extra long staple cottons; lint from 1¼ to 1⅜ inches under favorable conditions, and yet it matures as early as a great many short cottons. Bolls are large, averaging 61 to the pound, making picking easy, unusual in a cotton that long. The lint out-turn runs from 32 to 33 per cent; the lint is fine, silky and very strong. The originator says: "It is one of the highest yielding, most generally satisfactory varieties we have ever grown, especially adapted for cultivation under boll weevil conditions." Splendid yields and big prices have been reported to us by growers.

Extra Early Medium Staples

Lightning Express—This is the latest and best development of the original Express, and is the best strain yet produced, even superior to Express 350. The original Express had a very small long pointed boll, very difficult to pick. This has been very largely overcome in Lightning Express, though of course the boll is not as large as some of the short cottons. However, in quickness of maturity it proves it is entitled to the name it bears, which is most important in this day of boll weevil infestation, where slow growing cottons have no chance at all. The lint out-turn at the gin on Lightning Express runs about 30%, which is good considering the length of staple, 1⅛ to 1 3/16 inches, and the premium in price it usually brings. Also the yield of seed cotton per acre is good enough to offset the difference in lint percentage. It does best, of course, on rich bottom land, but it has also done fairly well on good average soil. Lightning Express does not come all at once then stop making, but begins early and continues making right on through. This is quite an advantage, and a very desirable quality in a cotton. If you buy Russell-Heckle's Lightning Express you will get the genuine—plant nothing but the best.

NOTICE

CARLOAD BUYERS

Whenever you are in the market for a carload of any variety, telephone or telegraph us for special carload price, delivered to your station.

We are the largest carload shippers of pedigreed planting cottonseed anywhere in our territory. For instance, last season we sold to one of our customers planting seed valued above $50,000.00. We have sold the same customers for four years previous and we will sell them again this year. There's a reason for this.

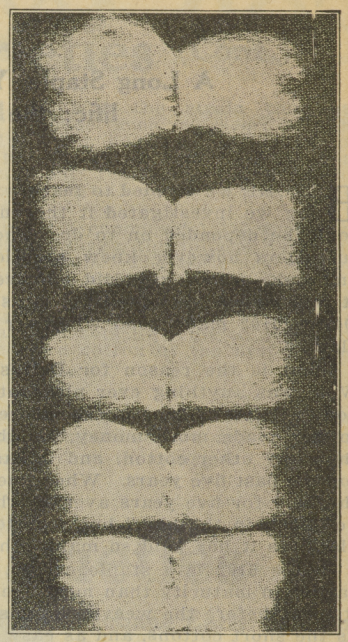
Acala No. 5
1⅛"

Mebane Early Triumph
1 1/16"

Wannamaker Cleveland
1"

King's Early Improved
⅞"

Half and Half
¾"



PRICES ARE REASONABLE

The additional cost of our pedigreed seed is very little more than you would have to pay for seed ginned on a public gin—about sixty cents per acre. It just takes two pounds of lint cotton to make this back. Most likely you can expect fifty to one hundred pounds more lint per acre from your pedigreed seed.

Sixty cents per acre is too little an amount to stand between you and opportunity to make a REAL PROFIT this year and every year.

Quotations named on any amount of any variety at any time.

Warning—If you have saved your own seed to plant, examine them carefully now to see if they are sound.

It would pay you to send a good sized sample to a chemical laboratory for a germination test, so you won't be caught with a poor stand or no stand at all and have to take what seed you can get then, at whatever price is asked.

Don't wait until planting time to do this, but send the sample before January fifteenth so you will know, if your seeds are good or bad in time. This is very important to you.

LONG STAPLE VS. SHORT STAPLE

In years gone by all the long staple cotton was very late but new varieties have been developed in later years which will mature as early as short cottons, and which are just as safe to plant in weevil territory so far as earliness is concerned. However, long staple cotton requires a stronger soil to give best results; you should not attempt to plant long staple cotton on poor hill land unless you fertilize it heavily. Generally speaking, long staple cotton should be planted on rich delta soils where it will give best results. On the other hand don't waste good delta soil by planting Half and Half cotton on it.

As to whether long staple or short cotton will pay best, that depends largely on premium paid for staple cotton. Often, long staple varieties produce as much seed cotton as short varieties, but generally the staple cottons require much more seed cotton to make a bale than the short cottons.

As a matter of fact, a farmer can make money out of either long or short staple if he plants only pure bred seed of an early maturing strain, cultivating his crop intelligently and steadily.

MAKE MORE MONEY WITH OUR SEED

HUNDREDS of our customers have been doing this each year, and so can you. Plant our pedigreed cottonseed of the variety best suited to your needs. Such stock will bring you a bigger crop every time than you can possibly get from ordinary mixed seed ginned on a public gin. Sometimes a gain of one hundred per cent in favor of pedigreed seed has been made, and time and again gains of twenty to thirty per cent have been made. Remember, a gain of just twenty pounds lint per acre means $5.50 more money per acre to you with cotton at 27½c per pound.

But that is not all—when your neighbors who planted common seed see how much better your crop is, they will pay you double the oil mill price for your seed so they can get better yields themselves.

Now then, when you can raise more cotton per acre; when you can get a better price for your cotton because, the seed being pure produces a more uniform, more desirable cotton; when you can sell the seed for more money—can you afford to plant mixed gin run seed? You cannot. You can much better afford to buy pedigreed seed from us each year so you can be assured of the biggest crop possible each year, so you can make the most money possible off of each acre you plant in cotton.

We could tell you of hundreds of our customers who have come in to tell us or have written us of the bigger yields they made with our seeds. For instance, a big Memphis cotton firm has a farm in Arkansas on which after some persuasion, they planted our Acala No. 5 cotton seed in 1922. On 22½ acres in one plot they picked 28 bales. They ordered more of the same seed from us the next year. We have customers who buy regularly from us every year, some every two years, because it pays them.

This is the year to begin.

Poisoning the Weevil

The U. S. Department of Agriculture, Boll Weevil Laboratory, continues to recommend Dry Powdered Calcium Arsenate Dusting of cotton as the only effective poison against the boll weevil—this after years of study and experiments on the subject. Below we quote briefly from U. S. Farmers Department Circular No. 274:

"It will pay to dust—

"If the weevils are really injuring your crop seriously, and

"If your land is sufficiently fertile to yield at least half bale per acre with weevil injury eliminated, and

"If your farming organization is such that you feel assured that the poison applications will be made at the right time and in the right manner, and

"If you are willing to spend the full amount necessary to provide an adequate supply of dusting machinery and poison.

"The general gains from weevil dusting under average, fairly favorable conditions, seem to be from 200 to 400 pounds of seed cotton per acre, but owing to variations in degree of weevil injury, it is not safe to expect much more than the lower figure.".

Write to the U. S. Laboratory, Tallulah, La., for a complete copy of this bulletin, and then if you do spray DO IT RIGHT OR NOT AT ALL.

Cotton Dusting Machines

Every year new types of cotton dusters are brought out. The first ones were not very successful, but gradually manufacturers have gained a clearer understanding of what is needed and this year we will be able to furnish you with at least one type of one-row hand duster and one-row mule back duster that can be depended on to do the work economically. We keep informed as to the best dusting machinery.

Write us any time after February 1st as to the best dusting machinery and we will be glad to send you descriptive circulars, etc. Be prepared to protect your cotton crop—don't let the weevils get it.

One of the most promising lines of cotton dusting machines is put out by the Root Mfg. Co., consisting of the Root Hand Gun, Root Saddle Gun and the Root Traction Duster. We show pictures of two of them below; all three have done splendid work. The Hand Gun, of course, is for the small farmer and will poison five or six acres per day. The Saddle Gun poisons two rows at a time, just as fast as a horse can walk and will poison about twelve acres per day. The Traction Duster is drawn by a horse and the operator walks; this poisons two rows at a time and in wet weather can be changed into a mule back saddle gun. All three of these machines have been tried out extensively, they are durable and with ordinary care should last several years.

Root Hand Gun ——— FOR DUSTING COTTON ——— Root Saddle Gun

Does Fertilizing Cotton Pay?

In answering the above question we would say "Yes" nine hundred and ninety-nine times out of a thousand for the soils which will not respond to fertilizer are few and far between.

Of course, no one form of fertilizer is best for all soils as no one feed is best for all classes of livestock. The state and federal governments have established experiment stations all over the country to find out just what is needed on each type of soil in each locality. The information which these experiment stations have imparted to the farmers has been worth untold millions to this country.

As an example we will cite the Mississippi Delta. The farmers in the Delta realized that their lands needed fertilizer and were using complete fertilizers until it was proven that nitrogen was the only element of plant food lacking in their soils, there being enough potash and phosphoric acid already there to last several generations. The pictures which we are reproducing on this page were furnished us by The Delta Branch Experiment Station at Stoneville, Mississippi. It shows very conclusively that the proper fertilizer, which in this instance was Nitrate of Soda, does pay. Where no fertilizer was used the yield was 220 pounds of seed cotton, where 150 pounds of Nitrate of Soda per acre was used the yield was 714 pounds, where 200 pounds of Nitrate of Soda was used the yield was 946 pounds. The cost of the Nitrate of Soda is usually around 3¼ cents per pound, seed cotton is worth approximately three times this price, so it does not take much figuring to see that fertilizer did pay handsomely in this instance.

In the uplands it has been found that in most cases Nitrogen and Phosphoric Acid are both needed. Usually 100 pounds of Nitrate of Soda to 200 pounds of Acid Phosphate is the proportion used, applying 400 to 500 pounds of the mixture to the acre.

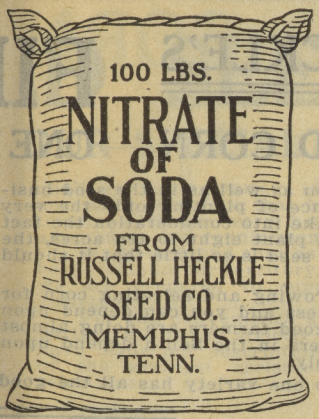
We realize that the growing of leguminous crops, such as Clovers, Cow Peas, Soy Beans, etc., is the cheapest way to put nitrogen into the soil and advocate the growing of these crops as much as possible, at the same time many farmers are not situated so they can conveniently grow these crops and there is no question but what fertilizer will pay them and pay them handsomely.

See Page 39 for description of our fertilizers.

Using 150 lbs. Nitrate of Soda per acre— 714 lbs. Seed Cotton

Using no fertilizer at all— 220 lbs. Seed Cotton

Using 200 lbs. Nitrate of Soda per acre— 946 lbs. Seed Cotton



R.-H. CO'S FERTILIZERS

HOW TO USE FERTILIZERS

Fertilizers can always be used to good advantage by opening up the row, sprinkling thinly the fertilizer; then cover same with a little soil and then sow your seed. Or, they can be used by working them into the soil along the rows after the plant is up, care being taken not to let it come in contact with the leaves or stem of the plant. For plants that are transplanted, work the fertilizer into the soil thoroughly before transplanting, using from a teaspoonful to a small handful, according to the size and the nature of the plant. Fifty pounds of garden fertilizer is sufficient for a garden 40x50 feet.

The best way to apply fertilizers to field crops is to use a fertilizer drill. Otherwise sow broadcast after planting, then harrow into the soil as thoroughly as possible. For all field crops, use 200 to 400 lbs. per acre, according to the soil.

Pure Raw Bone Meal—Our Bone Meal is made from pure, raw bones and contains a higher percentage of plant food than that prepared from steamed bone. We guarantee our Bone Meal to analyze 24 per cent Phosphoric Acid and not less than 4½ per cent Ammonia. Bone Meal is an excellent fertilizer for all kinds of fruit trees, rose bushes, grape vines, bulbs, geraniums, ferns, palms, and other potted plants; and for grass crops. Whether for pasture, hay or lawn, Bone Meal will be found not only a valuable fertilizer but a cheap one. It dissolves gradually, supplying food steadily during the growing season. Price, 4 lb., **25c**; 25 lb., **$3.25**; by parcel post; 4 lb., **45c.**

Pulverized Sheep Manure—A pure natural manure, free from all noxious weeds, and unequaled as a fertilizer for lawns, potted plants, vegetables, flowers, etc. It furnishes a natural humus to the soil, giving immediate and lasting results. We do not hesitate to recommend this excellent fertilizer as a good general source of high grade plant food; it will keep your lawns and plants green and flourishing during the growing season and protects them during the winter. Price, 5 lb., **30c**; 10 lb., **50c**; 25 lb., **85c**; 50 lb., **$1.25**; 100 lb., **$2.50**; ton or 2,000 lbs., **$40.00.** By parcel post, 5 lb., **50c**; 10 lb., **75c.**

Acid Phosphate—Many Southern soils lack available phosphoric acid and lime, hence for this reason Acid Phosphate is an almost indispensable fertilizer. Although it is an excellent fertilizer for general crops, its principal value is a grain and grass fertilizer. Apply from 200 to 400 lbs. per acre and mix well with soil 2 or 3 weeks prior to seeding for best results. Analysis: 16% Available Phosphoric Acid. Prices: 25 lbs., **75c**; 50 lbs., **$1.00**; 100 lbs., **$1.50**; ton price on application.

High Grade Vegetable Fertilizer—Apply 300 to 400 lbs. to the acre. This complete fertilizer is especially prepared for beans, peas, cabbage, tomatoes, melons, and other vegetables. The ingredients dissolve quickly and supply available plant food immediately, producing wonderful results by the stimulation of the vegetable plants into a luxuriant growth. Analysis: Nitrogen 4 per cent; available Phosphoric Acid, 8 per cent; Potash, 4 per cent. Prices: 4 lbs., **25c**; 25 lbs., **$1.00**; ton price on application.

Potato Fertilizer—Highly recommended both for Irish and Sweet Potatoes and other root crops. It seems to be the most desirable fertilizer for root crops that can be had today, invariably increasing the yield per acre and the quality of the crop. It contains 3 per cent Potash, 8 per cent available Phosphoric Acid, 3 per cent Nitrogen. Apply 300 to 400 lbs. per acre. Prices: 5 lbs., **25c**; 25 lbs., **90c**; ton price on application.

Nitrate of Soda—Nitrate of Soda is power. It can be used on all field and garden crops, either mixed with the soil or applied after crops are up and growing. It requires about 150 lbs. of Nitrate of Soda to the acre. Application of Nitrate of Soda not only increases the yield, but also makes crops mature earlier, and in case of drought the plants will stand the dry spell wonderfully good. For shade trees, fruit trees, strawberries, Nitrate of Soda is a wonder worker. Everyone that used Nitrate of Soda on the cotton crops was well repaid for the expense. Take a handful of Nitrate of Soda and scatter it on your lawn and watch the results in about ten days' time. Application of Nitrate of Soda on cabbage, lettuce, beets, etc., makes them more crisp and tender. Always remember that Nitrate of Soda must be used carefully, as it is a caustic and will burn plants if used too liberally.

Price: 4 lbs., **25c**; 15 lbs., **80c**; 25 lbs., **$1.25**; 100 lbs., **$3.50.** F. O. B. Memphis. Ton price on application.

STIM-U-PLANT

PLANT STIMULANT TABLET

Trade Mark Registered U. S. Patent Office

AN ALL-THE-YEAR FERTILIZER FOR GARDEN AND HOUSE PLANTS

Growers of fine flowers, shrubs and vegetables for the best markets and for exhibition, fertilize and stimulate them frequently, a little at a time. An excellent fertilizer for this purpose is Stim-U-planT, an odorless, highly concentrated plant-food, in tablet form, with guaranteed chemical analysis of 11 per cent nitrogen, 12 per cent phosphoric acid, 15 per cent potash.

Stim-U-Plant (Plant Stimulant Tablet)

can be used in tablet form, or dissolved in water at the rate of one tablet to the quart. Complete directions with every package.

Order Stim-U-PlanT tablets with your seed and plant order. Price, 10 tablets for **15c**; 30 for **25c**; 100 for **75c**; 1,000 for **$3.50.** By parcel post: 10 tablets, **18c**; 30 tablets, **28c**; 100 tablets, **80c**; 1,000 tablets, **$3.60.**

Bulb Fibre—For growing bulbs, superior to soil or water. Plant your bulbs in pots with fibre and you will be more than pleased. **Price:** Parcel post paid, 1 lb. pkg., **25c**; in bulk, 5 lbs. for **75c.** Not prepaid, 1 lb. pkg., **20c**; 5 lbs., **60c.**

Big Crop Cotton Fertilizer—A high grade cotton fertilizer for increasing the yield and quality of fibre; containing 12 per cent Phosphate, 4 per cent Nitrogen and 4 per cent Potash. Use 200 to 300 lbs. to the acre. Price on application.

The Improved Soil Inoculator, Nobbe-Hiltner Process

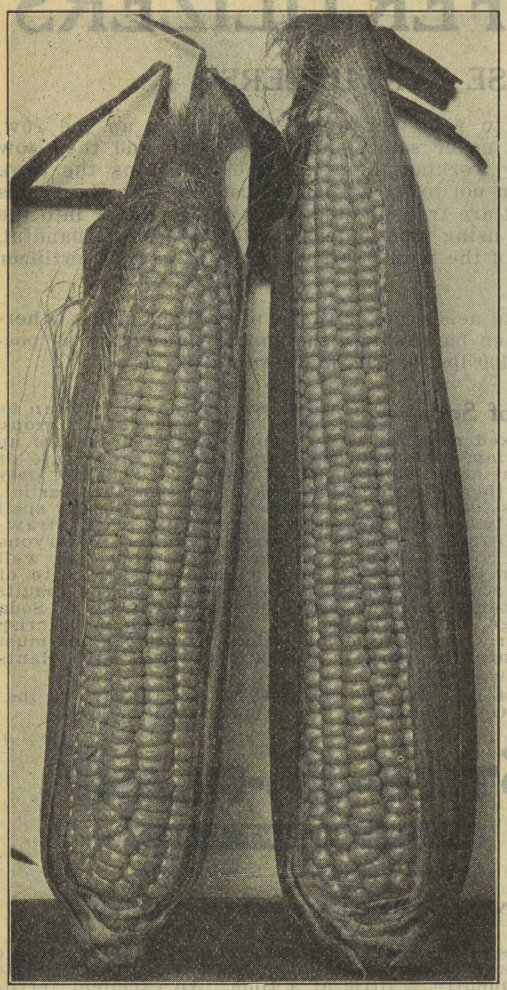
NITRAGIN

TRADE MARK REG'D DEC 6 1898 NO 32717

Restores and Maintains Soil Fertility

Nitragin — Pure Culture — A legume-inoculating material manufactured under a late German (Nobbe-Hiltner) Process. We believe this the best of the many Nitrogen Bacteria Cultures. "Nitragin Pure Culture" is put up in round tin cans in three sizes—garden, one-half bushel and one bushel. Full directions for use with each can. We can offer cultures for all the different legumes, including Alfalfa, Clovers, Cow Peas, Soja Beans, Vetches, etc. **Prices:** Garden size, **20c**; ½ bushel size, **60c**; 1 bushel size, **$1.00**; 5 bushel size, **$4.75**; parcel post paid.

Tobacco Dust—The high percentage of Potash and Ammonia in this excellent fertilizer renders it invaluable for mulching, covering lawns, etc. It will soon rid your lawn of ants. It is also burned for fumigation purposes. Prices: 10 lbs., **$1.00**; 25 lbs., **$2.00**; 100 lbs., **$6.50.** By parcel post, 10 lbs., **$1.25.**



Elam's Early Market Corn

RUSSELL-HECKLE'S FIE

SEED CORN — ONE

Our years of experience on the farm as well as in the seed business has taught us the great importance of planting only the very best seed corn obtainable. When we take into consideration the fact that one bushel of good seed corn will plant eight to ten acres, the difference in cost of poor seed and good seed is so little that it should not be seriously considered.

Our men have made a study of growing and selecting corn for seed purposes. They know their business and you can depend upon their judgment as thousands of other good farmers are doing almost every year. Some of the largest farmers in the South depend upon our stocks entirely for their seed supply.

With corn, as with other crops, no one variety has all the good

EARLY and MEDIUM VARIETIES WHITE FIELD CORN

Champion White Pearl—A highly bred, pure white 90-day corn, large ear and a heavy yielder. Ears about 12 inches long and average 1 lb. in weight. Uniform in size, weight and color. Qt., **30c**; gal., **80c**; parcel post paid. Not prepaid, Qt., **20c**; gal., **55c.**

Boone County White—A large eared variety. Is especially adapted to Southern States. Requires from 100 to 120 days to mature. The ears are of large size, well proportioned, well rounded at butt and tip. Qt., **30c**; gal., **85c**; parcel post paid. Not prepaid, Qt., **20c**; gal., **60c.**

Elam's Early Market—An early White Dent corn, coming in almost as early as the Adams Early, but much larger; matures in 90 days; sample ears have been shown us 10 inches in length and 3 inches in diameter. For stock feeding it is very valuable; coming in as it does when all fodder is short, it fills a breach which all stock feeders can appreciate. Again, it is a corn that has made itself before the hot, dry weather and when other field varieties make their growth. Qt., **50c**; gal., **$1.00**; parcel post paid. Not prepaid, Qt., **40c**; gal., **75c.**

Hickory King—This is an entirely distinct variety among the white corns, combining the largest grain with the smallest cob. Matures in 110 days. A single grain will completely cover the cob of an ear broken in half. It yields good crops on light soils and is one of the most productive and profitable white varieties for planting in the South. Qt., **35c**; gal., **95c**; parcel post paid. Not prepaid, Qt., **25c**; gal., **70c.**

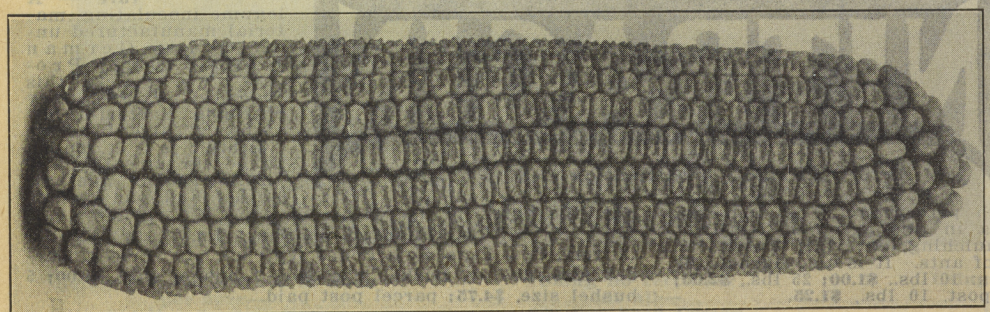
Iowa Silver Mine—The stalks grow to a height of 7 to 8 feet and set the ears about 3½ to 4 feet from the ground. The ears measure from 10 to 12 inches in length. They are very uniform in size and shape, 16 to 20 straight rows of deep, pure white kernels on a small cob. It is the heaviest yielder we know, having yielded over 100 bushels to the acre. Seventy pounds of ears will make 62 pounds of corn. It is entirely distinct and will give satisfaction. Matures in 100 days. Qt., **30c**; gal., **85c**; parcel post paid. Not prepaid, Qt., **25c**; gal., **60c.**

Snow Flake—Large size, very early; a fine corn for early roasting ears; also makes an excellent field variety, as it matures in 80 to 85 days. Qt., **30c**; gal., **85c**; parcel post paid. Not prepaid, Qt., **20c**; gal., **60c.**

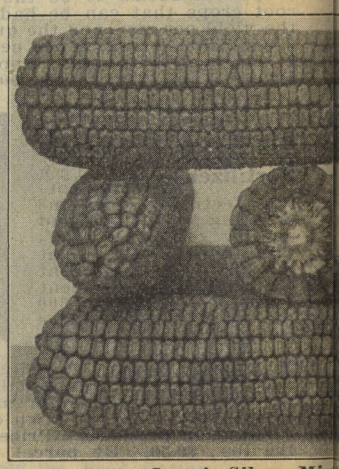
Russell-Heckle's Early White Dent—One of the earliest. Planted on or about April 1st, it will be ready to gather by July 1. Will absolutely make in 90 to 95 days. Qt., **30c**; gal., **85c**; parcel post paid. Not prepaid: Qt., **20c**; gal., **60c.**

St. Charles White, Red Cob—A large medium, tall-growing variety, producing an abundance of fodder. The ears are very large, both in length and circumference. The grains are long, broad, deep and firmly set in a medium large red cob. Matures in about 100 days. Qt., **30c**; gal., **85c**; parcel post paid. Not prepaid, Qt., **20c**; gal., **60c.**

Tait's Early White Dent—The stalk is short and thick. The ears grow long on the stalk, from 7 to 9 inches in length, almost parallel throughout, of medium size, averaging 14 rows of grains, and will mature in 90 days. The grains are pure white, compact and heavy. The cob small. Qt., **35c**; gal., **$1.00**; parcel post paid. Not prepaid, Qt., **25c**; gal., **75c.**



Mosby's Prolific



Iowa's Silver Min

LD SEED CORN

OUR SPECIALTIES

qualities. No one variety is best for all soils and conditions. It is necessary, therefore, that we endeavor to supply each of our customers with the very best seed of the variety which is best adapted to his requirements.

We have found that as a rule, the Southern varieties give the best yields in our territory, but for those who want quicker action we are prepared to supply the best Northern and Western varieties.

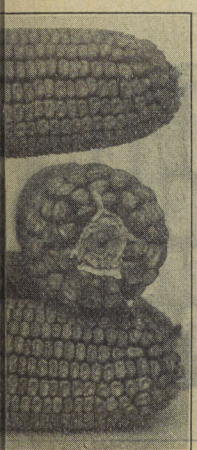
For the convenience and guidance of our customers we are putting all of the strictly Southern varieties in one group. We have made our descriptions as accurate as possible so as to be of the greatest assistance to our friends in making their selections.

Prolific Southern Grown Varieties White Field Corn

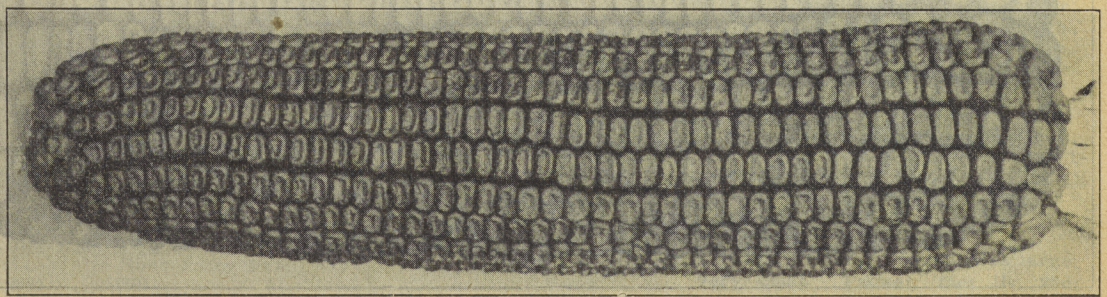
Cocke's Prolific—This variety holds the highest record, and will in the near future break its own—50, 75 and 100 bushels per acre. This small corn has two to five perfectly formed ears with a peculiar droop so dear to scientific corn growers. It has a low, stout stalk, medium early, medium-sized ears, pearl white grain in straight rows. The weevil bothers this variety very little on account of the hardiness of the grain, which is of good size, short, flat and almost round; very flinty. This corn is evenly lined on a white cob of good size, often attaining the length of 10 inches. Matures in 140 days. Unexcelled for meal and hominy. Qt., **35c**; gal., **$1.00**; parcel post paid. Not prepaid, Qt., **25c**; gal., **75c.**

Mosby's Prolific—The most prolific corn in existence; the stalks are tall, bearing 3 to 5 fine ears. The grains are long, set close to a small cob, very uniform in shape, well filled. It has good roots and will withstand storms better than any other prolific sort. Another important feature of this fine corn is its abundant foliage, which renders it superior to most sorts for ensilage purposes. This is a Southern corn, and is recommended for general crop. Matures in about 125 days. It is purely white, small cob, deep full grain, neither too hard nor too soft, and stands crowding in the drill as close again as any other kind. Ears of medium size. Qt., **35c**; gal., **$1.00**; parcel post paid. Not prepaid, Qt., **25c**; gal., **75c.**

North Carolina—Our grower of this variety of corn lives in Shelby County, Tennessee; has grown no other corn for years. He has bred this corn to a medium stalk, producing 4 to 6 ears. This corn will stand in the field after maturing through rain, storms and snow, and deteriorates less than any variety of corn grown today. While this variety has always been considered one of the best upland corns, we have many Delta planters who plant North Carolina year after year on bottom land, and tell us that they can leave it in the field until after Christmas and gather corn, every ear being sound. A beautiful white prolific corn. Matures in about 115 days. Well adapted to both field and table purposes, just flinty enough for milling the most beautiful meal. Some of the largest yields of corn ever made in the South have been made with this prolific corn. Qt., **35c**; gal., **$1.00**; parcel post paid. Not prepaid, Qt., **25c**; gal., **75c.**



Hasting's Prolific—Similar to North Carolina Prolific; pure white ears, always sound and produce two to four ears on a stalk. Qt., **35c**; gal., **$1.00**; parcel post paid. Not prepaid: Qt., **25c**; gal., **75c.**



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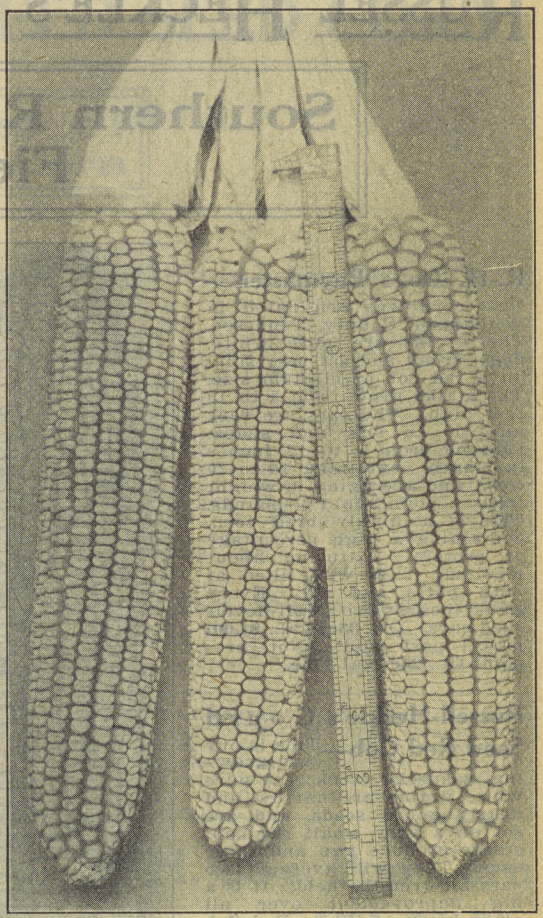
Cocke's Prolific Corn



North Carolina Prolific Corn

Prices—On account of catalog going to press before Spring market has been established on all field seeds, we are unable to quote quantity prices on Field Seed Corns. For current prices see Special Green Ink Price Sheet enclosed.

SPRAY PUMPS

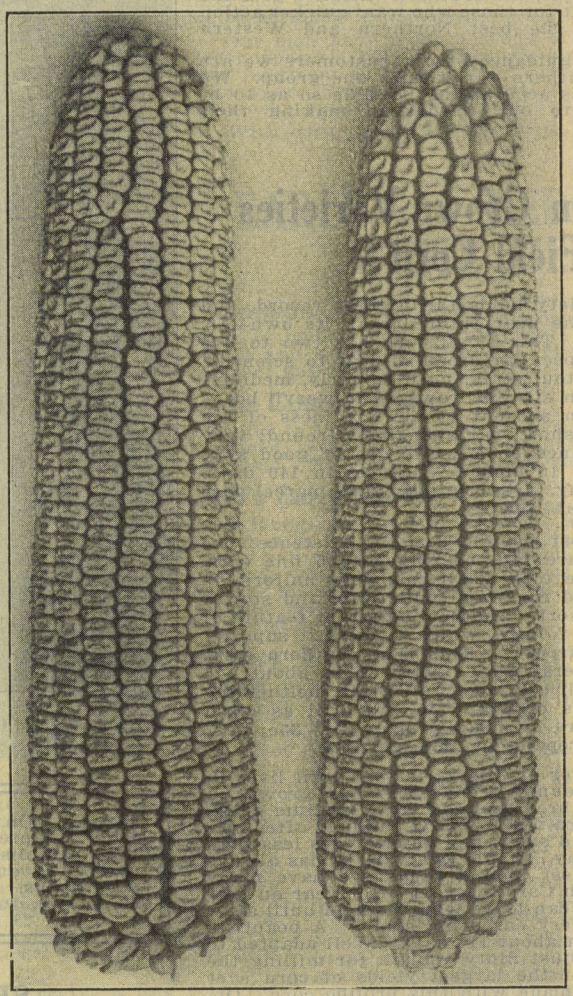
We have the most complete line in the city. Call and see the Barrel Sprayers, Portable Sprayers, Compressd Sprayers, Hand Sprayers, Bucket Sprayers; all the best makes at reasonable prices.

RUSSEL HECKLE'S FIELD SEED CORN

Southern Raised Large-Eared Field Corns

R.-H. Co.'s Paymaster—This corn was originated in Williamson County, Tennesee. The grains are pure white, deep, broad and set very solid on a red cob of medium size. The stalks grow from 8 to 10 feet high. The ears are very uniform in size and shape, running from 9 to 12 inches in length, containing 16 to 20 rows, and averaging in weight from 1 pound to 1¼ pounds. This is a highly bred corn, containing a high percentage of protein. Maturing about medium, it is well filled at both butts and tip. Every stalk bears two well-developed ears. Qt., **35c**; gal., **$1.00**; parcel post paid. Not prepaid: Qt., **25c**; gal., **75c.**

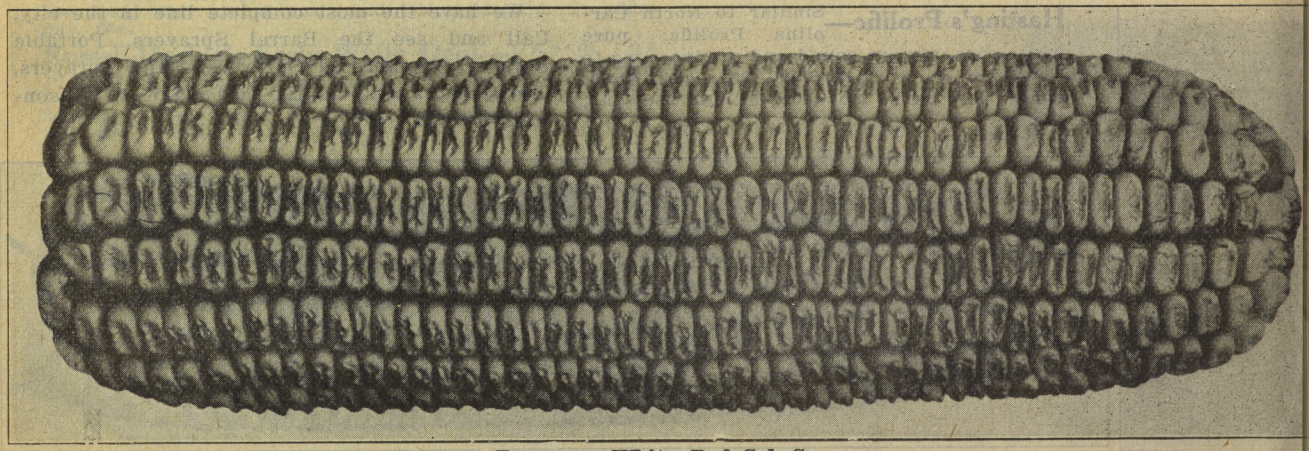
Russell-Heckle's Gourd Seed Red Cob—This is our own growing, a special stock; the pure white grains are narrow and nearly gourd seeds, and are set on a very small red cob; stalks produce two and three ears. They will average two ears all over the field. It is a big improvement over all other kinds of White Red Cob Corns, having a small cob with long firm grains that are always sound and plump. Stalks medium, strong and stocky. This special stock is a genuine thoroughbred and you will be delighted with your yield and crop. It will mature in about 100 days. We have taken extra pains in selecting and hand shelling this splendid variety. This corn is a beauty; don't miss it. Qt., **45c**; gal., **$1.25**; parcel post paid. Not prepaid: Qt., **35c**; gal., **$1.00.**



R-H Co.'s Paymaster Corn

Tennessee White Red Cob—A large, white, red cob corn. Ears medium size, 16 to 18-rowed; grains are very large, deep, wide and thick. Matures in 100 to 110 days. This corn makes fine meal. Qt., **35c**; gal., **$1.00**; parcel post paid. Not prepaid: Qt., **25c**; gal., **75c.**

Mexican June—This dependable variety, largely planted late in the spring throughout the entire Cotton Belt, originally came from Mexico. It is largely used for planting after oats and wheat. We do not advise sowing before May 1st if grain is wanted, and can be planted as late as August 15th with good results. The stalks are usually short, although early plantings make stalks 12 to 15 feet high, leaves four to six feet long. The roots run deep and spread, so that it is a splendid drouth resister. Ears 8 to 9 inches long, grains short to medium, cobs medium in size, and while usually white, occasionally you'll find a red cob and a few blue grains. This apparent mixture of color is peculiar to many varieties of Mexican corn. Mighty fine for "roasting ears" for use right up to frost. Qt., **35c**; gal. **$1.00**; parcel post paid. Not prepaid, Qt., **25c**; gal., **75c.**



Tennessee White, Red Cob Corn

RUSSELL-HECKLE'S FIELD SEED CORN

Fine Varieties of Yellow Field Corn

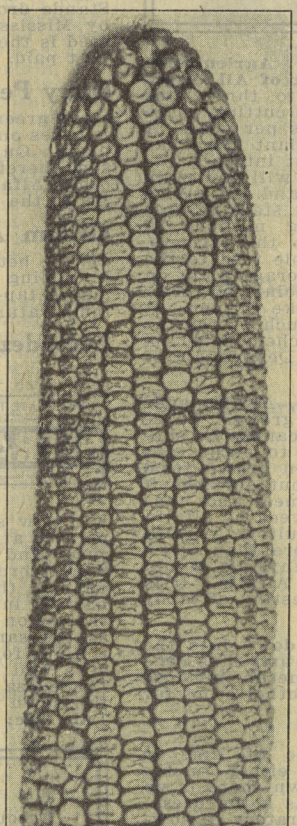
Mammoth Tennessee Yellow Dent—The ears are of perfect shape with from 10 to 14 straight rows of bright golden yellow grains, remarkable in size and filled out completely to the extreme end of the cob. Matures in about 110 days. The richness of color and fine quality of grain make it vastly superior for grinding into meal. The grains are not of a hard flinty nature, neither are they so soft as to be greatly shriveled. The ears are easily shelled, although the kernels are firm in the ear and in every respect as perfect a type as could possibly be had. Qt., **35c**; gal., **$1.00**; parcel post paid. Not prepaid, Qt., **25c**; gal., **75c**.

Iowa Gold Mine—Large ears; grains are a bright golden yellow; matures in about 100 days. Qt., **30c**; gal., **85c**; parcel post paid. Not prepaid: Qt., **20c**; gal., **60c**.

Yellow Leaming—A very early growing corn; matures in about 90 days; always dries out quickly, therefore a desirable variety for early crop. Qt., **30c**; gal., **85c**; parcel post paid. Not prepaid, Qt., **20c**; gal., **$1.00**.

Mortgage Lifter—A large-eared variety of yellow corn. Matures medium early, about 95 days; a big yielder. The ears are well filled with bright yellow grains of fair size. Qt., **35c**; gal., **85c**; parcel post paid. Not prepaid, Qt., **25c**; gal., **60c**.

New Brazilian, or Stooling Flour Corn—This corn, as the name indicates, is inclined to stool, and one grain will produce, in many instances, more than one stalk. Each stalk bears 2 to 3 ears, 5 to 7 inches in circumference, 9 to 12 inches in length, and beautifully white. It produces an abundance of fodder, and is the best variety for ensilage. It yields 30 to 50 bushels of corn per acre, and the ears are fine for roasting although not sweet. It does not require a very rich soil and, therefore, the best variety for poor soils. The kernel is snow white and contains more starch than any other corn, and ground and bolted by the same process as wheat, gives a fine flour that will make bread, biscuits, etc., the same as the wheat flour. Qt., **55c**; gal., **$1.50**; parcel post paid. Not prepaid, Qt., **45c**; gal., **$1.25**.



Reid's Early Yellow Dent

Reid's Early Yellow Dent—This is a leading standard yellow variety, originated in Illinois many years ago, and is a type that experts have failed to change for the better. In our opinion this is the most popular variety of yellow corn grown in the United States. We offer fine stock of this leading standard variety, which is among the best all around purpose Yellow Dent Corn grown. Color deep yellow, with lighter cap. Grain very deep, closely packed; butts and tips almost entirely covered over. The leaves and stalks of Reid's Yellow Dent make fine ensilage and fodder. Matures in 90 days. Qt., **30c**; gal., **85c**; parcel post paid. Not prepaid, Qt., **20c**; gal., **60c**.

R.-H. Co.'s 90-Day Early Yellow Dent—A standard variety; quick maturing. Qt., **30c**; gal., **85c**; parcel post paid. Not prepaid, Qt., **20c**; gal., **60c**.

1925 CALENDARS—On receipt of five names of people in your community who would be interested in receiving our Annual Seed Catalog, we will mail you one of our 1925 Calendars, which is very complete in every detail.

R.-H. Co's. Pop Corn

Borden's Improved Baby Rice Popcorn—A new dwarf Rice Popcorn of unexcelled quality. On account of its very dwarf growth it can be planted almost anywhere. Its crowning merit lies in its excellent popping qualities, fine flavor, and absence of hull or shell. Don't fail to plant this excellent dwarf popcorn. Packet, **15c**; ½ lb., **25c**; 1 lb., **45c**; 5 lbs., **$2.00**; parcel post paid. Not prepaid: ½ lb., **20c**; 1 lb., **40c**; 5 lbs., **$1.75**.

Borden's Improved Golden Rice Popcorn—A pure yellow grained rice popcorn, similar in every way to the Standard White Rice Popcorn; pops crisp and large. Packet, **10c**; ½ lb., **20c**; 1 lb., **35c**; 5 lbs., **$1.50**; parcel post paid. Not prepaid, ½ lb., **15c**; 1 lb., **30c**; 5 lbs., **$1.25**.

Japanese Rice Popcorn—Also known in some sections as the Little Buster and Australian Hulless; grows long pearly white, and its popping qualities unexcelled; quality crisp and tender; matures in about 70 days. Packet, **10c**; ½ lb., **20c**; 1 lb., **30c**; 5 lbs., **$1.75**; parcel post paid. Not prepaid, ½ lb., **15c**; 1 lb., **25c**; 5 lbs., **$1.00**.

White Rice—Very easily popped, tender and white; the best for the market. Packet, **10c**; 1 lb., **25c**; 10 lbs., **$1.75**; parcel post paid. Not prepaid, lb., **20c**; 10 lbs., **$1.50**.

Queen's Golden—A beautiful golden color; pops large, very crisp. Packet, **15c**; lb., **25c**; parcel post paid. Not prepaid, lb., **20c**; 5 lbs., **85c**.

Russell-Heckle Seed Co's. Big 50c Collection of Garden Seeds

Think of it, 14 packets of Top Notch brand garden seeds for **50c**. At the regular price they would cost you **80c**. On receipt of **50c** we will mail you one packet each of the following:

No. 1 Beans—Early Red Valentine Bush.
No. 2 Beans—Kentucky Wonder, Pole.
No. 3 Beets—Crosby's Egyptian.
No. 4 Cabbage—Large Chas. Wakefield.
No. 5 Carrot—Improved Long Orange.
No. 6 Lettuce—Big Boston.
No. 7 Mustard—So. Giant Curled.
No. 8 Okra—White Velvet.
No. 9 Pepper—Chinese Giant.
No. 10 Radish—Ea. Scarlet White Tip.
No. 11 Spinach—Bloomsdale Savoy.
No. 12 Squash—Ea. White Bush Patty Pan.
No. 13 Tomato—Early Detroit.
No. 14 Turnip—Large White Globe.

Selected with Care

We believe that few seedsmen give as close attention as we do to the quality of the farm seeds they handle. So much depends on the seed the farmer plants that it should be the aim of every seedsman to furnish the **BEST FARM SEEDS THAT CAN BE PRODUCED.**

The prices quoted on all farm seeds are based on market values at the time of going to press. Values may advance or decline, according to market. We are often able to make material reduction during Winter and Spring to purchasers in large lots. We invite correspondence.

ALFALFA
OR LUCERNE

The Giant Agricultural Clover—King of All Crops. Yields two to three tons per acre each cutting, three to four crops per year. A wonderful plant that has turned the great West into a paradise of wealth, and it will do nearly as well in our Southland. It grows successfully in every state in this Union, and is adding millions of wealth every year to the farmers. Produces more valuable feed to the acre than any other forage plant on earth. It has many points of excellence that commend it to every wide-awake farmer. It has great feeding value, containing as much protein as wheat bran. It is a wonderful soil enricher; splendid, valuable feed for hogs. The United States Department of Agriculture says:

"In addition to the hay and seed crop, Alfalfa adds $100 to the value of every acre on which it grows." There is no state in the Union in which Alfalfa cannot be successfully grown. Alfalfa produces three to eight tons per acre. Three hundred stalks have been grown from one seed. It does not exhaust the soil, but enriches it equal to clover. It can be ground into meal and hundreds of carloads are being ground every week by alfalfa mills to feed cattle, hogs, horses and poultry. Alfalfa in money value is worth 45 per cent more than other clovers and 60 per cent more than timothy. It would hardly be possible to say too much about Alfalfa. It is a working plant which is changing the destiny of many farming sections.

Its long branching roots penetrate far down into the earth, push and crowd this way and that and thus constitute a gigantic sub-soiler. These become an immense magazine of fertility to be drawn upon by other crops for many years after.

A Few Hints on Alfalfa—The presence of lime in some form, either in the soil or subsoil, is essential. If it is known there is no lime in the soil, lime should be applied as a top dressing, when the land is being plowed preparatory to sowing the seed. GOOD DRAINAGE IS NECESSARY, for an excess of surface water rots out the roots.

The seed may be sown broadcast or in drills and covered one inch. If sown broadcast, use 20 to 25 pounds of seed per acre. Sowings made in the Spring, March and April, or in the fall, September and October, are successful.

INOCULATION—Be sure to inoculate the seed with either Mulford culture or Nitragin, complete directions sent with these cultures.

FERTILIZING—Use 1,000 pounds of ground limestone. 200 pounds of Bone Meal and 200 pounds of pulverized Sheep Manure, broadcast, to each acre. Applying a coat of well-rotted stable manure will be beneficial. If you have tried Alfalfa, and it died out, it was on account of need of these fertilizers. On old Alfalfa meadows use 400 pounds of Pulverized Sheep Manure to the acre, broadcast. It stimulates it wonderfully.

When buying Alfalfa you want the best and purest seed obtainable. Cheap grades are apt to be adulterated with Yellow Trefoil, Burr Clover, Dodder, etc. We have several varieties of the very best, cleanest grade seed that is grown.

RUSSELL-HECKLE'S

R.-H. Co.'s Top Notch Alfalfa— This represents our idea of real quality and genuine worth in Alfalfa—something to meet all requirements of our most discriminating customers. Lb., **35c**; parcel post paid.

R.-H. Co.'s Dakota No. 12 Alfalfa—This variety is the result of years of careful breeding and represents the highest type of Alfalfa. Dakota produces exceptionally hardy Alfalfa, practically immune to Winter killing. Stands drought and heat as well. Highly recommended by Mississippi Experiment Station at Stoneville. Our seed is the genuine Dakota No. 12 stock. Lb., **45c**; parcel post paid.

Hairy Peruvian Alfalfa—A very remarkable type, being extremely hardy and stays green longer than any other kinds for the fact that it takes on a slight fuzz in the winter which protects the plant. On account of its hardiness, it has a longer season, therefore, produces more hay to the acre than any other Alfalfa. Sown in the spring or fall broadcast, 20 lbs to the acre. **Price:** 1 lb., **50c**; parcel post paid.

Grimm Alfalfa—It has been found that the Grimm Alfalfa has proven itself hardier and a better variety for many sections. Having the branching root system, while most all types have the single tap-root, consequently will stand all variation of temperature much better. Lb., **70c**; parcel post paid.

Lespedeza or Japan Clover—Is a promising crop throughout the Middle and Southern States. It grows rapidly practically anywhere. Once started it soon spreads and makes a steady growth of the finest and most nutritious pasturage much relished by all stock. On stony hillsides or waste lands it will grow well, also on wet or low lands. It is a great crop and the wise planter will sow some no matter what the price. It should be planted at the rate of one bushel to the acre, during February and March, or even as late as April and into May. Sow it broadcast on growing grain if you like. If sown on sod, the land should first be scarified with a disk harrow in order to give the seed a good seed bed. It thrives on very poor soils and continually improves them, at the same time yielding a highly profitable and nutritious forage. It will yield as high as four tons to the acre and frequently more. Many customers broadcast Lespedeza in February and March on both wheat and fall-sown oats. We offer recleaned pan caught seed, 1 lb., **50c**; parcel post paid.

PRICES

Account catalog going to press before spring market has been established on all field seeds, we are unable to quote quantity prices. For current prices see Special Green Ink Price Sheet enclosed.

CLOVER SEEDS

Alsike Clover—**(TRIFOLIUM HYBRIDUM)** Alsike Clover grows thicker and is finer in growth than Red Clover, making better hay and probably more and better grazing. It is also hardier, resisting extremes of heat and drouth and also severely cold weather to a remarkable extent. It succeeds on a variety of soils, light upland loamy lands as well as stiff bottom lands. The good qualities of Alsike are being appreciated everywhere, and it is particularly valuable for grazing and sowing in grazing mixtures. It is surer to give a good stand and make more crops than either the Red or Mammoth Clover, and in sections where these clovers have been uncertain, Alsike is superseding them almost altogether. In this section the use of Alsike is growing rapidly, not only for sowing by itself, but also in mixture with red clover and grasses for grazing.

The seed of Alsike Clover, being much smaller than the Red Clover, does not have to be sown too highly, and consequently it costs less to seed an acre than Red Clover. The quantity of seed per acre when sown alone is 6 to 8 lbs. When sown in mixtures with Red Clover, which is very desirable wherever Red Clover is sown, sow 3 lbs. Alsike and 8 lbs. Red Clover per acre. Price, 1 lb., **45c**; parcel post paid.

Red Clover—Is grown for both hay and pasturage, also when the roots and stubble are turned under for soiling purpose. As a gatherer of nitrogen it is of great value to land. Soil that will produce satisfactory yields of corn are best suited for Red Clover. Boggy lands sometimes do not give good results. When lime is deficient it should be supplied. Throughout West Tennessee, where stands of Red Clover have not been giving satisfaction, Alsike has been sown to advantage. Red Clover, when sown in the spring, on winter grain after the late frosts, will usually have a natural covering. When this covering is lacking the clover seed should be sown by drilling or harrowing in. Sow in March or April, broadcast 10 lbs. of seed to the acre. Sowings can also be made in February, either on the snow or oat stubble. Price, 1 lb., **55c**; parcel post paid.

Mammoth Sapling—**Or Peavine Clover**—Very much like the common Red Clover but larger, heavier and later. Recommended for thin soils. Sow 10 to 12 pounds to the acre. Price, 1 lb., **60c**; parcel post paid.

White Clover—This is very largely used in lawn and pasturage mixtures, and is indigenous to the soils throughout this section. It makes a small, close, compact growth, covering the ground like a carpet. Does well all through the South. Sow either in the spring or fall. When sown by itself, sow 5 to 6 lbs. per acre; it is better, however sown in mixture with other grasses. Price, 1 lb., **75c**; parcel post paid.

Special Notice

Prices: On account of our catalog going to press before the market has been fully established on all Clovers, Alfalfa, Grass and Farm Seeds, we quote same in our catalog only in small lots. For current prices on large quantities, see our Special Green Ink Sheet enclosed.

Mr. Geo. G. Becker
Chief Inspector.

Dear Sir:—In answer to your inquiry of Oct. 1st as to planting seed ordered off Russell-Heckle Seed Co., last spring and as to their germination, will say the seed were fine and the stand was excellent.

I planted the seed ordered, also some of same variety that I raised myself, as to the stand I could not tell any difference—it was all perfect. While nearly all of my neighbors and friends planted over part and some all of their cotton or had poor stands. My stand was the best I have had in four years.

Yours respectfully,

DAVID A. MAY.

R.-H. Co.'s Red Clover

Crimson Clover—Makes excellent green foliage, or if cut when in bloom will make good hay. Especially valuable for improving the soil, making a quick, heavy and very valuable crop for plowing under. Sow 15 pounds to the acre from July to November. Price, 1 lb., **35c**; parcel post paid.

Spotted Burr Clover—Sown in August and September. Makes superior pasturage, fair hay, and grows on any thin land, and if turned under the following spring acts as a splendid fertilizer. Sow 20 pounds of burrs to the acre. Price quoted on application.

IMPORTANT

Deduct 10c on pound prices quoted parcel post paid in our catalog if you order goods shipped by express or freight.

ROOT SADDLE GUN—For applying Calcium Arsenate for boll weevil to cotton, two rows at a time. Do it with a Root Gun from a horse or mule back. The dry powder is put out in a fine dust from behind the operator. The person using moves ahead of the poison, which is quite an advantage. Guaranteed to do more effective work than any two-row duster on the market. It is the newest and latest machine on the market. A supreme duster that does the work thoroughly in any kind of weather. The operator sits high and dry on a mule and operates with one or two hands the Root Mule Back Duster as fast as the animal can walk, and he is entirely out of the fine dust thrown out in the rear. Complete circulars on request. Price Root Mule Back Saddle Gun, Price on application.

Alsike Clover

SWEET CLOVER OR MELILOTUS

White Bokahara, or Melilotus Alba—

INOCULATE THIS SEED WITH THE IMPROVED SOIL INOCULATOR, NITRAGIN PROCESS
NITRAGIN
Restores and Maintains Soil Fertility

On lands too poor to grow a paying crop of corn, on worn out, galled, waste land, on land too sandy to grow any other crop, or too acid or too moist for other clovers, sow sweet clover, and after a few years the land can be brought into condition for general crops. It is adapted to a wider variety of soils than any other clover; is useful for pasture, for forage, for ensilage, for bees, for turning under to improve, for it is a nitrogen gatherer, and for inoculating the land for alfalfa. The deep roots break up, aerate and drain stiff subsoils and add humus. Its feeding value is high, containing 69 per cent digestible protein, compared with 70 per cent in alfalfa and 46 per cent in red clover; stock pastured on sweet clover make gains that compare favorably with those obtained from either alfalfa or red clover. In spite of its bitter taste stock soon learn to like it. The first season it grows 1½ to 2½ feet high, but if cut when 6 inches high it stools out and makes a more tender growth for grazing. The second year it grows 5 to 10 feet high and should be cut before the first bloom buds appear. Give sweet clover a thoroughly compacted seedbed with enough loose soil on top to cover the seeds. On very acid soils an application of either ground limestone or burnt lime is recommended. Sow 20 lbs. unhulled or 10 lbs. hulled seed to the acre in April or May.

Sweet Clover

Unhulled Seed—1 lb., **30c**; hulled seed, 1 lb., **40c**; parcel post paid.

Hubam—THE FAMOUS NEW ANNUAL WHITE SWEET CLOVER—Hubam is a legume crop, gathering nitrogen from the air and storing it in the soil, and greatly increasing the soil fertility. The old sweet clover is a biennial and rather slow to get its growth. Hubam is an annual and produces more grazing and more hay in one year than the biennial sweet clover does in two seasons. It will make two cuttings of high quality hay in one season.

Sow Hubam as early as possible in the Spring, just as soon as the ground can be worked, drilling in rows eighteen inches apart, covering only about half inch. You can get by on as little as four pounds of seed per acre, but as seed gets cheaper about twelve pounds per acre would be better. It can be sown on top of snow to good advantage broadcast, 12 pounds to an acre.

Hubam makes the finest kind of pasture; all stock like it. Splendid hay is produced, ready to cut, about ninety days after seeding. It is not coarse, especially when seeded close.

Hubam will grow as high as seven feet if allowed to, making a luxuriant plant loaded from top to bottom with blooms and seed. Think of it.

Plant a small acreage in Hubam, the wonder clover, by all means. Price, per single pound, **45c**; parcel post paid.

SUDAN GRASS

A Wonderful Quick Growing Summer Hay Grass

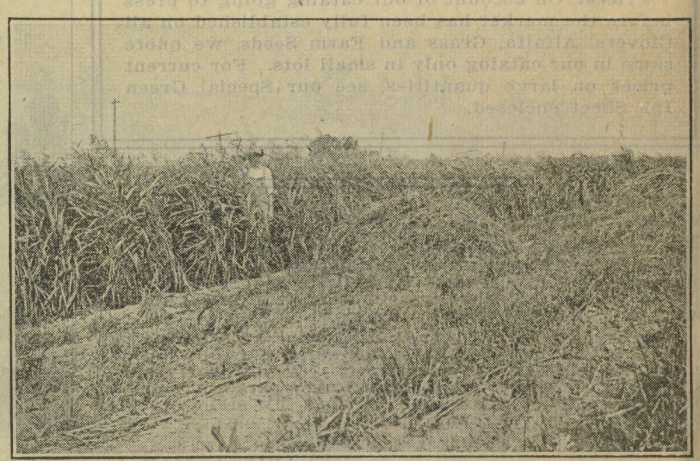
Yields two or more cuttings a season. Makes a bigger and better crop than Millet. It stools out wonderfully after the first cutting. Stock eat it up clean, blades, stalks and heads. A wonderful summer catch crop for hay. A sure hay crop in a dry season. Ready to cut in about 45 days after the first cutting. It can be grown with cow peas and soy beans.

Sudan Grass is as big a yielder as Johnson Grass, but it has none of the latter's objectionable features, for Sudan Grass can never become a pest, for it is an annual with short fibrous roots that are killed by frost. Its greatest value is for hay, which is palatable and well liked by stock—the entire plant, leaves, stems and heads is eaten. It should largely supplant millet, which yields only a single cutting, whereas Sudan Grass will give at least two, and where the growing season is long, four cuttings a season have been had. It stools out wonderfully after the first cutting; it is not uncommon to find more than a hundred stems growing from a single root. Four tons to the acre is not an exceptional yield; eight tons have been grown where the season allowed four cuttings. The quality of the hay is good, analysis showing that it is equal to timothy and superior to millet. It is also strongly drought resistant.

Sow it after the ground becomes thoroughly warm, say after corn planting time. It may be sown either with a grain drill or in rows two feet apart, and cultivated like corn. When sown in rows it grows 6 to 7 feet high; when sown broadcast it grows 4 to 5 feet high. Grown broadcast the hay is finer and rather better than when grown in rows. Cut when in bloom, for at that stage the feeding value is highest, yet there are few grasses so little injured by standing beyond the proper stage for cutting.

Sudan Grass may be profitably grown with cowpeas and soybeans, as being of erect growth it supports the pea vines and makes the cutting easier and allows them to cure more quickly; the mixture will give a better balanced ration than either fed alone. Almost any soil, from heavy clay to light sand, will grow Sudan Grass. Sow 5 to 6 lbs. to the acre in 2-foot rows; 20 to 25 lbs. broadcast. By mail, 1 lb., **30c**; parcel post paid.

Orchard Grass—No farmer should be without a small field of Orchard Grass, as in many respects it is superior to all other grasses. It stands the drought, grows well in the shade, does well in wet or poor ground and is splendid to prevent wornout fields from washing. This grass furnishes excellent pasture three weeks before any other and after close grazing ten days' rest is sufficient for another growth. Cows fed on this will produce more milk than on blue grass. It makes a very heavy sod and when well set remains for many years. It is especially adapted for Winter grazing, as it remains green all season. Sow 20 to 25 pounds alone per acre. Lb., **45c**; parcel post paid.



Sudan Grass

Inoculate Your Alfalfa, Clovers, Cow Peas, Soy Beans, Vetches, and All Other Legume Crops, with

Mulford Cultures

FOR LEGUMES

Alfalfa plant on left not inoculated. Plant on right inoculated with Mulford Culture for Alfalfa. All other conditions identical. This contrast speaks for itself.

Mulford Cultures contain pure, tested strains of active, vigorous nitrogen-fixing bacteria for inoculating seeds of legumes or soil. Enormous numbers of these very valuable and desirable bacteria are thus available to you in every package of Mulford Culture and may readily be applied to your seed. The sealed bottle insures purity.

Increase Your Crops
Improve Your Soil

Legumes Offer the Best Known Means of maintaining soil fertility and rejuvenating over-cropped and worn-out fields. They add both humus and nitrogen to your soil and thus increase your yield of wheat, cotton, corn, and other non-legume crops.

Notice how much bigger inoculated Soy Beans may grow than uninoculated. Drawing made from actual photograph.

Always specify on your order what crop you want to inoculate, as there is a different strain of bacteria for each legume.

ALFALFA	RED CLOVER	SOY BEANS	SWEET PEAS
CRIMSON CLOVER	ALSIKE CLOVER	PEANUTS	GARDEN PEAS
SWEET CLOVER	LESPEDEZA	VETCH	GARDEN BEANS
WHITE CLOVER	COW PEAS	VELVET BEANS	LIMA BEANS

MULFORD CULTURES are supplied for the varieties of legumes listed, at the following prices:

5-Acre Size.....**$5.00; parcel post paid**
1-Acre Size.....**1.50; parcel post paid**
¼-Acre Size.....**.75; parcel post paid**
Small Size (supplied only in 4 varieties, for Garden Peas, Garden Beans, Lima Beans and Sweet Peas).....**.35; parcel post paid**

Why buy expensive commercial nitrates when you can grow Legume crops and thus increase your yield and at the same time increase the nitrates and enrich and renovate your soil, by Nature's own method?

FREE DESCRIPTIVE FOLDER SENT UPON REQUEST

BETTER CROPS IN FIELD AND GARDEN

IF YOU INOCULATE WITH

The Improved Soil Inoculator, Nobbe-Hiltner Process

NITRAGIN

TRADE MARK REG'D DEC 6 1898 NO 32717

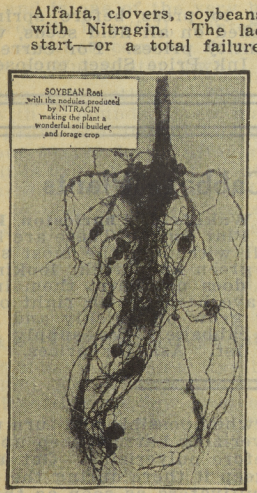
Restores and Maintains Soil Fertility

Registered in the United States Dec. 6th, 1898. 26 YEARS AGO.

Awarded Gold Medal Worlds Fair—St. Louis 1904. 20 YEARS AGO.

THE ORIGINAL SOIL INOCULATOR

Alfalfa, clovers, soybeans, vetches, peas, beans, cowpeas, peanuts and other legumes should always be inoculated with Nitragin. The lack of necessary bacteria in the soil is often the cause of a poor legume crop—a weak start—or a total failure.



Inoculated Soybeans
Be sure and name crop to be inoculated.

BENEFITS OF INOCULATION

The principal reasons for inoculation can be stated in five short paragraphs, viz.:

First—Inoculated legumes take nitrogen from the air to supply the plant, resulting in faster growth, earlier maturity and larger crops.

Second—Inoculated legumes take up more nitrogen than the plant itself requires, the surplus remaining to the benefit of future crops.

Third—Inoculated legumes develop larger root systems than when not inoculated and therefore reach the immense stores of potash and phosphorus in the sub-soil, bringing them up to supply the plant. When the roots and stubble decay these elements are also returned to the soil in a form available for future crops.

Fourth—Inoculated legumes, by taking their nitrogen from the air, save the soil. When not inoculated they drain the soil of its nitrogen just the same as wheat or timothy or other non-leguminous plants.

Inoculated legumes contain more protein matter than when not inoculated, greatly increasing their feeding value.

Summary—Inoculation hastens maturity, increases the crop, improves its quality, enriches the soil and saves fertilizer bills.

Prices For Field Nitragin

¼-bu size inoculates 15 lbs seed	$ .40
½-bu size inoculates 30 lbs seed	.60
1-bu size inoculates 60 lbs seed	1.00
5-bu size inoculates 5 bu seed	4.75

EVERY GARDEN NEEDS "NITRAGIN"
Garden size is for Peas, Sweet Peas and Beans, only including Lima (3 in one). Price 20c.

Sold on the BUSHEL basis—not acre sizes. The one bushel size will inoculate one bushel of any legume seed, price $1.00, other sizes in proportion. If you sow 15 pounds seed per acre, you pay $.25 per acre inoculating with NITRAGIN—not $1.00 or more.

Sold in tins—not glass—packed in a rich soil-like medium.

Red Top

RUSSELL-HECKLE'S

FOR HAY OR PASTURE

Bermuda Grass—Bermuda is a Southern Grass. It delights in sunshine and warmth. It is extensively cultivated in this section of the country for lawns. It is a small, creeping, hardy perennial, which thrives on nearly all our soils, even growing on many of our poorer, thin, sandy soils, though like other grasses it gives better results on richer soils.

One of the chief reasons that this grass has not been more extensively introduced is the fact that it has been the practice of propagating it from the roots, as it does not mature its own seed in this country. However, it is just as easy to get a good stand by planting the seed. The seed should be planted in the spring. Seed requires 20 to 30 days to germinate. The ground should be well prepared with a good firm seed bed, as the seed is small and is seeded broadcast at the rate of ten pounds per acre. Do not cover more than half an inch. The seeding should not be done too early, as the seed will not germinate if sown before the weather and ground becomes warm. Price, 1 lb., **75c**; parcel post paid.

Red Top or Herd's Grass—This grass makes excellent pasturage and good crop of fine quality hay, and succeeds on a greater variety of soils than any other in general use, giving very good results on light soils. The place for Red Top is on rather moist soil, deficient in lime and fertility. It will grow where the soil is too poor for Timothy and Kentucky Blue Grass. It is a good variety to sow with Timothy and Clover for meadow or pasture and is more permanent than either of the other two. It should be fed close, as if it is allowed to grow up to seed the cattle dislike it. On good soil it grows about two feet high; on poor, gravelly land about half that height. It has been grown successfully even on alkali land where other grasses failed. Red Top, commonly known as Herd's Grass, should be extensively grown, especially with other grasses.

Red Top has interlacing, thick roots which make a firm sward not likely to suffer injury from the hoofs of animals. It stands the effect of drouth better than Timothy. It is more permanent if it is grazed off and not allowed to go to seed. For the best quality of hay, it should be cut when in full flower. It is more easily cured than almost any other grass. It is rather late in starting in spring and matures its crop the same time as Timothy. When it gets well established it spreads and will gradually supplant other grasses. Red Top is also one of the best grasses for hillsides or lands likely to wash. Our brand of the Fancy Clean Red Top is of extra fine quality, and carefully cleaned from impurities. We can also furnish the Choice and Prime Fancy Red Top as usually sold. It requires about 8 to 10 pounds to seed an acre of the Fancy Clean seed. When sowing with Timothy, sow 6 pounds of the Fancy Clean and 8 pounds Timothy per acre. It can be sown either in the spring or fall. Price, 1 lb., **35c**; parcel post paid.

Kentucky Blue Grass—Sow in early Spring or Fall, using 2 to 3 bushels of seed to the acre broadcast. Well adapted for lawns. Pound will sow 20x25 feet. Price, 1 lb., **60c**; parcel post paid.

Tall Meadow Oat Grass—Grows rapidly on good soil; will furnish two or three good cuttings a season. Sow in early Spring, 20 to 25 pounds to the acre. Price, 1 lb., **50c**; parcel post paid.

Billion Dollar Grass—Belongs to the Millet family and should not be planted until May; matures a crop of hay in 6 weeks and will then furnish good grazing. Billion Dollar Grass is a very heavy yielder and it will pay any one to plant a few acres. Being an annual, it must be planted every season. This remarkable grass is in no way a pest or in any way objectionable, as it can be plowed up and that ends it until it is planted again. Sow 20 pounds of seed broadcast to the acre. Price, 1 lb., **25c**; parcel post paid.

Timothy—Eight to 10 pounds to the acre. As a crop for hay, Timothy is probably unsurpassed by any other grass. The largest crops of hay are raised on rich land. It is not suited for light, sandy soil as well as some other grasses. Price, lb., **25c**; parcel post paid.

PRICES

Account catalog going to press before spring market has been established on all field seeds, we are unable to quote quantity prices. For current prices see Special Green Ink Price Sheet enclosed.

R.-H. Co.'s Pulverized Sheep Manure

A natural fertilizer that supplies both the plant food and humus to your soil. Sheep Manure is the richest and best of all animal manure. One hundred-pound bag of our Pulverized Sheep Manure is equal to a two-horse wagon load of stable manure.

For lawn making it is the most effective, giving the grass a beautiful dark green color and brings no weed seeds.

For the vegetable and flower garden use Pulverized Sheep Manure and watch the crops grow.

Should be used around shrubs, fruit trees, grape vines, berries, roses, etc. Ten pounds for 100 square feet is all you require. Just rake it in the soil before planting the seed in drills or rows. A light side dressing on growing crops brings big results. Price, 10 lbs., **50c**; 25-lb. bag, **85c**; 100 lbs., **$2.50**; F. O. B. Memphis.

Frost-Proof Cabbage Plants

Varieties: **Early Jersey Wakefield, Charleston Large Wakefield, Succession, Early Flat Dutch**—These are hardy outdoor grown plants. Will withstand the most severe weather. They are not as green and bright looking as the hotbed stock, but that does not harm them in the least. It is because they have been grown right out in the open all winter. They grow off quickly and make fine, heavy, hard heading cabbage. We supply them from January 1st to April 1st. Ask for prices.

Keep a winter cover crop when possible and turn under in the spring. Let the pulverizing harrow keep up with the turnclods to dry out before pulverizing. Get a dust mulch on the surface and keep it there during the cultivating season. Start the cultivators as soon as the soil is dry enough after each rain. Cultivate shallow but often. The dust mulch will prevent evaporation. Never stop the cultivators during dry weather.

GRASS SEEDS

Permanent Pasture Grass Mixture—Furnishes pasture all the season from early Spring through the Winter. Sow in early Spring or Fall, using 1½ bushels to the acre. Lb., **35c**; parcel post paid.

Chicken Pasture Mixture—A splendid mixture of grains, clover and grasses for green feed for chicken runs. Sow in February, March and September at the rate of 30 pounds to the acre. Lb., **20c**; parcel post paid.

Timothy and Alsike Mixed—Suitable mixture for wet lands, furnishing good pasture and hay. Sow in early Spring and Fall, 15 pounds of the mixed seed per acre. Lb., **35c**; parcel post paid.

Prepare Grass Lands Thoroughly

Please read what we say on page 44 about "Preparation for Clovers and Grasses." When reading it bear in mind that when sowing grass and clover seeds you are making an investment; that you expect a profit from that investment for a number of years, and that the profit will be in proportion to the care taken in preparing your land **before the seeds are sown.** The condition of the seed bed has much to do with the success of the crop, for to germinate freely the seeds must be in close contact with a firmly settled soil—this means that the soil should be finely pulverized. Your profit also depends on the quality of the seeds you sow, so buy the best.

LAWN GRASS SEED

Special Directions About Sowing.—Nearly all grass seeds are very small and will not come up satisfactorily unless put in properly; and again, most planters will not use enough seed to the acre. The soil should be thoroughly prepared by deep breaking and thorough harrowing until a smooth bed is made, and the ground should be settled thoroughly before sowing. After sowing the seed, very little covering should be given with a brush or harrow that will cover it lightly. If the weather is likely to be dry, the ground should be pressed over the seed so as to bring the seed in close contact with the soil, to hold the moisture until the seed gets a good start.

Russell-Heckle's Evergreen Lawn Grass

Italian Rye Grass—Recommended for fall planting; it is one of the quickest growing grasses and is one of the very best for a beautiful green lawn through late fall, winter and early spring until the hot weather comes. Scratch in Bermuda sod and have a beautiful winter lawn.

Planting instructions: Mix one pound Italian Rye Grass with 5 pounds sheep manure for 10x20 feet; 25 pounds grass and 100 pounds sheep manure mixed will sow about 50x100 feet. After seeding water well a few days if it is dry. Planting should be done in October and up to the 15th of November before cold weather sets in. Be sure to use our pulverized sheep manure. It causes seed to germinate quicker and grow faster. Our pulverized Sheep Manure has no odor like other brands of sheep manure. Our Italian Rye Grass is new crop and best quality. Price, parcel post paid, 1 lb., **35c.**

English or Perennial Rye Grass—This variety is a little slower to grow off than the Italian Rye but has the advantage of lasting longer as a lawn, similar in other respects to the Italian Rye Grass. Sow seed on Bermuda sod in October and November and follow instructions for fertilizing, etc., as given under Italian Rye Grass. Parcel post paid, 1 lb., **35c.**

Canadian Blue Grass—**Grows on poorest and driest soils.** Invaluable for use on steep places or exposed situations. Sow 28 pounds to the acre. 1 lb., **45c**; parcel post paid.

Evergreen Lawn Grass—**1 lb. sows 200 square feet; 60 to 75 lbs. sow an acre.** Our Evergreen Lawn Grass is a mixture of grasses that are adapted to lawn making, and contains none of the coarse grasses nor those that grow in tufts or clumps. No one grass makes an ideal lawn grass, so we have put into our Evergreen a well-balanced mixture of grasses that are at their best during different months of the year, will give a beautiful green growth at all seasons, and will make a rich, deep green, velvety lawn in as short a time as possible. 1 lb., **50c**; parcel post paid.

Shady Spot Lawn Grass—A special mixture of grasses adapted to growing under trees and in shady places where it is difficult to get other grasses to grow. 1 lb., **60c**; parcel post paid.

Carpet Grass—This grass grows tenaciously in any soil. Excellent for lawns or pasture purposes on the Gulf Coast and all sandy lands, and grows equally as well on clay uplands. Green all the year in lower Gulf States. It stools heavily and is one parent stalk. Planted from November to March, also during Spring. Ten pounds per acre. Price on application.

Grass Seed Prices—Grass seed prices change almost daily and so we cannot make definite quantity prices in the catalog. Write for prices on the amount you want when you are ready to buy. Then we can give you our best market prices and also tell you exactly what the freight or express will be to your station.

The Soy Bean is a legume, and in nutritive value is equal to Red Clover. As a soil improver it is excellent. This plant will grow on a wide variety of soils, but the richer the soil the larger the yield of forage.

RUSSELL-HECKLE'S

The Laredo Soy Bean—At last the ideal soy bean for the entire South seems to have been developed. Up until the past several years we have had to rely on the Mammoth Yellow, a good variety but having several drawbacks—late maturity, shattering out of the beans, and difficulty of obtaining a stand in unfavorable weather.

The Laredo overcomes each one of these objections—it matures much earlier, does not shatter out badly and will make a crop under conditions that would spell ruin to cowpeas or other soy beans. Yields of four tons of hay have been obtained, quality almost equal to alfalfa; as much as 35 bushels of beans have been harvested per acre.

In the Spring of 1922, the Delta Experiment Station at Stoneville, Miss., planted two acres of poorly drained coco infested buckshot land to Laredos. In the fall 25 bushels of threshed beans and about 2½ tons of bean straw per acre were harvested. The beans were worth on the market $15.00 per bushel and the threshed straw or hay $10.00 per ton, or a total value of $400.00 per acre. On October 15th the bean area was disked and sowed to Red Rust Proof oats. In April a perfect stand of volunteer beans could be seen in the oats. The oat crop produced between 50 and 60 bushels per acre and the bean crop was allowed to produce a seed crop in the fall of 1923. The yield was 26 bushels per acre of clean threshed beans and at least three tons of bean straw. The seed was worth $10.00 per bushel and the straw $10.00 per ton. This, added to the value of the oat crop, gives a total return of $320.00 per acre for the crop year of 1923.

SECOND VOLUNTEER CROP OF BEANS—After the beans were harvested for seed in the fall of 1923, the field was again disked and sowed to oats. The fall was dry and the oats did not germinate until November 27th, with a very wet and cold winter and a very late start most of the oats froze or drowned out. On March 27th, 1924, a very thick stand of soybeans was breaking through the ground. In the wettest spot where all of the oats and even the winter weeds and grasses had drowned out, the best stand of beans was obtained. The frost and freeze on the night of March 31 killed thirty to forty per cent of the plants which were up but enough more germinated to give a perfect stand of volunteer beans in 1924. The field looks promising at this time. The plants are about three feet high although the station has had no rain of any consequence since May 26th for a period of 81 days.

(The above statement of results at Delta Experiment Station taken from a longer article by W. E. Ayers in the Progressive Farmer Oct. 4, 1924.)

One bushel will plant six to eight acres in rows 3 to 3½ feet apart, depending upon how thick you want them. We know of one farmer who got a perfect stand using one bushel to twelve acres. They should not be covered deeper than 1½ inches, a half inch is better. One or two cultivations to keep down the grass and weeds, is advisable. The Delta Experiment Station reports splendid results from sowing Laredos March 25th to April 10th with a wheat drill on oats planted previous fall. This drill helped instead of hurting the oats and the beans were not large enough when the oats were harvested to interfere with the binder.

Jan. 9, 1924.

Russell-Heckle Seed Co.,
Memphis, Tenn.

The writer in 1922 produced from planting 41 pounds of Otootans, 81 bushels and 167 bales of straw hay, and from the same plot of land planted to Laredos, planting 49½ pounds, produced 141 bushels of Laredos and 248 bales of straw hay. Laredos planted July 11th, 1923, were cut well matured Oct. 2nd, about three weeks earlier than the Otootans planted in the same field and 5 or 6 weeks before the Laredos were. Laredos were full of blooms 47 days after planting date.

Yours truly,
RIDGEWAY & SONS.

Biloxi Soy Beans—Of all the varieties of Soy Beans the Biloxi probably grows more rank than any. It takes longer than some to mature its grain, but it is a very heavy yielder and not easily shattered in harvesting, which is a big advantage. Planted in the corn or in the row with corn for silage, it grows over six feet high. For grazing, for hogging down with corn, for soiling, it is unexcelled. The Biloxi is an upstanding plant, having no runners to spread over everything in sight. This means a great deal to the orchardist, who wants a cover crop to cover the ground only. Biloxi's should be planted in rows from three to five feet wide and ten inches apart in the drill. About one inch is the right depth. For silage they can be planted in the row with corn or a row of corn and a row of beans. Where corn is planted in six or seven-foot rows, you can drill a row of beans in the middle. Qt., **50c**; parcel post paid.

Mammoth Yellow Soy—A bunch variety, which can be planted throughout the South with splendid results, making a fine crop of hay. Planted in corn very often, improving the yield of corn and furnishing a profitable crop of beans for seed, or making wonderful grazing crop for hogs and stock. Plant in drills 30 pounds per acre, or broadcast 60 to 90 pounds. Qt., **35c**; parcel post paid.

Laredo Soy Beans

SOY OR SOJA BEANS

Inoculate Soy Beans and Cow Peas— Whether growing them alone or in mixture, inoculate with **Nitragin.** See page 47.

OTOOTAN SOY BEANS

Compared with Cow Peas, produces twice as much seed, twice as much hay, better hay, adds twice as much fertilizer to the soil and costs less to seed an acre. While the O-too-tan Bean is a member of the Soy Bean family it is so different in every respect from the Mammoth Yellow with which we are all so familiar that we have preferred to leave the word "Soy" out of the name. The O-too-tan is the hay bean par excellence. Mr. M. T. Byrn of Arkansas reports a yield of 4½ tons of dry weighed hay to the measured acre, and states that where it and Alfalfa were placed before his stock, many of his mules would eat the O-too-tan in preference to the alfalfa. The chemical analysis shows O-too-tan hay richer in both protein and carbohydrates than Alfalfa. Prof. Tracy, at Biloxi, got 51 bushels of beans per acre. Naturally, it takes a wonderful root system to produce this much tonnage, and that is just what the O-too-tan has; as a fertilizer gatherer it is a regular Nitrate Agency.

O-too-tan Beans Growing in Drill with Corn

The O-too-tan is a very rapid growing plant. It will grow erect for some four or five feet and then, owing to the fine stems will droop to the ground and send out runners from 8 to 15 feet, according to the richness of the soil. Unlike the Cow Pea, however, it does not twine around corn stalks, nor do the vines twine around each other, quite an advantage when being handled for hay. The stems being of fine texture, the hay is easily and quickly cured. It does not shatter its seed nor its leaves in harvesting. When planted alone for hay, one bushel will plant from four to six acres in 3 to 3½ foot rows. A combination planter with a sorghum plate is generally used. It is usually necessary to file the holes a little larger to permit the beans to go through without wedging. The proper distance in the drill is from 14 to 16 inches. While somewhat hardier than the Mammoth Yellow, withstanding light frosts without serious damage, we would not recommend planting until the ground is thoroughly warm. A good time to plant is "cotton planting" time. Do not cover over 1½ inches deep, and ½ inch is better. One or two cultivations to subdue the crab grass and other natural weeds and grasses will prove the most profitable investment you ever made in the way of cultivation. If planted in early corn, on the ridges as close to the corn drill as possible which will permit cultivation without injury to corn or beans. If planted in late corn they may be planted in the same drill with the corn. Qt., **60c;** parcel post paid.

VELVET BEANS

Early Speckled 90-Day Velvet

Make an Enormous Foliage Growth—Greatest Soil-Improving Crop Grown with Least Expense—This new velvet bean is creating a sensation wherever it is planted. It is the quickest growing and earliest maturing of the velvet beans, and is well adapted for growing in districts further north than velvet beans ordinarily have been grown. It will succeed and mature from Tennessee southward and will make a large growth in more northerly sections, even where it does not mature the seeds. It makes a wonderful soil improver and forage crop and the best for grazing for cattle, and is, in our opinion, destined to very largely take the place of other velvet beans all through the East and Middle South. Qt., **35c;** parcel post paid.

COW PEAS

Sow in May, June and July, at the rate of 1½ bushels to the acre. The value of cow peas as a soil enricher is now well known. They add nitrogen to the soil at less cost than by any other method. Cow peas make excellent hay.

Prices on cow peas given on application. Let us know how many you will need.

Whipporwill— A favorite early bunch-growing variety. Seed is reddish brown speckled. A great favorite on account of its early maturity.

New Era— An early, upright-growing variety. The seed is smaller. It is not inclined to run. Matures in sixty to seventy-five days.

Black Stock— This is a large, late-vining variety. The vines grow very long. Best for thin land.

Clay— Very similar to the Unknown, but earlier; vigorous growth; very popular.

Red Rippers— One of the most prolific varieties of cow peas. Vines grow long; make an abundance of hay.

Wonderful, or Unknown— On account of the great growth of the vines this variety is especially valuable. Matures late and requires a full season to give best results.

Brabham— One of the best and most productive in growth and yield of shelled peas. It is a small, hard, speckled pea, about the size of the Iron and New Era. Will make two crops.

Mixed— Preferred by many farmers where the crop is intended for soil improving; they will grow thicker than separate varieties, producing better crop of vines and forage.

California Large White Black Eye— This variety is not only valuable as forage and soil-improving crop, but the dried peas are readily saleable as table peas during the winter.

White, Cream, or Lady— Fine for table use and a great soil enricher. Peas are small in size. Very prolific. Better to eat than Black Eyes.

Crowder— Very prolific and an excellent variety for table use.

Comparing Soy Beans and Cow Peas

Soy Beans and Cow Peas although alike in many respects differ as follows: Soy Beans will stand the frost that would be fatal to Cow Peas and continue to grow. They are better yielders of grain than the Cow Peas and plants are erect and easier to put. An acre of Soy Beans is 50 per cent greater in feeding value than an acre of Cow Peas. Unlike Cow Peas, Soy Beans mature all the pods at practically the same time. On the other hand, Cow Peas will succeed on a very poor soil that will not support Soy Beans. They will stand a greater degree of drought. They ripen their seed a little earlier as a rule and are better for choking out weeds.

Tennessee Golden Millet

RUSSELL-HECKLE'S MILLETS

Tennessee Golden—Our Southern grown millet makes much better growth than the Western grown seed. This true Tennessee grown, a type that produces better quality, grows taller and gives a larger yield of very nutritious hay, is a quick grower. It should be cut for hay when it begins to show the heads. Plant 1½ to 2 bushels an acre broadcast. Plant from April to August. The sowing of Southern Millet with cowpeas for a hay crop is increasing in favor each year. When this is done, use an early variety, such as Whipporwill or New Era, sowing about ¾ to a bushel of millet with one bushel of peas to an acre. Lb., **20c**; parcel post paid.

Western Golden—This variety is very similar to the Tennessee Golden; however, it does not produce quite as much hay, and the heads are not quite so large. Lb., **20c**; parcel post paid.

Pearl, or Cat-Tail—It is largely used by dairymen. Furnishing them green food throughout the Summer. Should not be planted before May in warm soils, as it is a tropical plant; when it has reached the height of three to four feet, it will stool out enormously and make a rapid growth. In this way 3 or 4 cuttings a season can be obtained. It can be fed either green or cured as dried forage, making a most nutritious feed which is relished by all kinds of stock. Sow 5 pounds per acre in drills 3 feet apart or broadcast at the rate of 20 to 30 pounds per acre. Lb., **35c**; parcel post paid.

SORGHUM or CANE SEED

Texas Seeded Ribbon—This cane gets its name from being a variety that closely resembles the true Ribbon Cane, raised from cuttings. It makes the finest kind of syrup. Lb., **25c**; parcel post paid.

Japanese Honey—This variety of cane is without a doubt the best all-round cane for the Southern farmers. It is the very best syrup producer of all the varieties and is also a splendid forage crop for green feeding, making excellent hay if sown in drills very thick, and may be planted any time between April and August. It grows 10 to 12 feet high and is very prolific, sometimes producing five to seven stalks from one seed. Matures about the middle of August to October, owing to time of planting, but will keep green and stand, if desired, until killed by frost, allowing the farmer to take his own time to harvest for syrup. As a syrup producer it has no equal, being exceedingly juicy and sweet, making from 200 to 400 gallons per acre, highly flavored. Lb., **25c**; parcel post paid.

Early Orange—A variety well adapted for the South. It is from 8 to 10 days later than the Early Amber, and produces a syrup of excellent quality. Lb., **20c**; parcel post paid.

Early Amber—Farmers and stockmen say that the Early Amber is the most valuable fodder plant in existence. It is profitably grown in any section of the South on any good corn ground, and it is but little affected by drought. Lb., **20c**; parcel post paid.

Red Top Sorghum—Grown extensively in Middle Tennessee. Succeeds well in this section. Red Top Sorghum is the best variety for silage. Very sweet and one of the best for hay. Lb., **20c**; parcel post paid.

Texas Seeded Ribbon Cane

SEED OATS

Sow two bushels of any of the following varieties to the acre. Plant in February or March. Apply 300 lbs. of phosphate to acre at time of seeding. It will increase your yield. One hundred lbs. Nitrate of Soda applied just before oats begin to head will pay handsome profits.

Early Burt, or Ninety-Day—The quickest growing and most prolific yielding Spring oats. Is a sure header, coming to maturity ten days to two weeks earlier than the rust-proof or other varieties. Burt Oats are the best poor land oats known, also the safest and earliest to plant in Spring.

Genuine Fulghum—Very hardy, rust-proof; very heavy grain; mature early.

Texas Red Rust-Proof—The strain of this popular old favorite that we have is direct from the best growers we know. The grain is heavy, bright and of fine quality.

Appler—A very hardy variety, rust-proof and a heavy yielder. Matures ten days earlier than native rust-proof and about a week later than Burt. For prices on Seed Oats see Special Green Ink List enclosed.

FARM SEEDS

Kaffir Corn, Milo Maize, Etc.

White Kaffir—Grows 4 to 5 feet high. The stems are very leafy and keep green and brittle, unlike other sorghums, which harden. Make excellent fodder, either green or dried. For fodder, sow from ½ to 1 bushel, either broadcast or in drills. Lb., **20c**; parcel post paid.

Red Kaffir—Grows taller than the white; stalks slender, juicy and very leafy. Ripens earlier than that of the white and yields much heavier. Lb., **20c**; parcel post paid.

Yellow Milo Maize—A non-saccharine sorghum of high value. It is a vigorous grower, of deep green color, attaining a height of 8 to 10 feet. Plant in April, May or June, 6 to 8 pounds of seed to an acre in drills. Lb., **20c**; parcel post paid.

Egyptian Wheat, or Shallu—A valuable new grain, entirely different from wheat. The heads are large and heavy. All stock love it, and do well. It makes hens lay better than any poultry food. It will stand more wet or dry weather than maize or cane. Plant in drills 3 feet apart, using ten pounds of seed per acre, or broadcast, using from 2 to 4 bushels. Lb., **30c**; parcel post paid.

Feterita—This wonderful new non-saccharine sorghum is somewhat similar to Kaffir Corn, with the exception that the grains are somewhat larger and softer than Kaffir Corn, and it is preferred by many on this account for feed in the head. It is about three or four weeks earlier than Kaffir Corn. It is undoubtedly the most drought-resisting of any of the sorghum family. Sow in April or May, in drills, 5 pounds to the acre. Lb., **20c**; parcel post paid.

Shrock Kaffir-Sorghum—Schrock Kaffir-Sorghum is unlike other grain sorghums for the reason that the seed will germinate readily when the ground is cold, and this is a great advantage in getting early feed and ensilage for silos. The seed should be sown in rows 3 feet apart; 5 pounds of the seed is sufficient to plant an acre. Lb., **25c**; parcel post paid.

Teosinte—A single seed producing from thirty to sixty stalks, each 10 to 12 feet high, gives some idea of what an enormous yield may be had from Teosinte—the Louisiana Experiment Station reported a crop of more than 50 tons on an acre. If cut when 4 or 5 feet high, it makes an excellent fodder, starts immediately into growth again, and will give several more cuttings as large as the first; we have known it to yield five cuttings a season. If sufficient is planted a continuous supply of nutritious green feed can be had daily right up to frost. The leaves are longer and broader than corn, contain 8 to 10 per cent of sugar, and are greedily eaten by all kinds of stock. It makes splendid ensilage, but is more particularly recommended as a continuous cutting green feeding crop. Plant in May or June in drills 3½ to 4 feet apart; 2 to 3 lbs. plants an acre. Pkt., **15c**; ¼ lb., **25c**; lb., **70c**; parcel post paid. Not prepaid, 1 lb., **60c**; 3 lb. **$1.50.**

Teosinte

Spanish Peanuts

PEANUTS

CULTURE—Prepare the ground well, laying it off in rows with a shovel plow; the rows should be 3½ feet apart, and put two kernels to the hill, which are about one foot apart. Cultivate thoroughly and keep the land as level as possible. One and one-half bushels of unshelled nuts will seed an acre.

Spanish Peanut—In addition to their value for growing for nuts, these are very largely used in the South as a forage and fattening crop for hogs and other stock. They are early to mature, very productive, and in the far South, where they can be planted during March and April, two crops can be made in one year, the second crop being planted early in July, the tops making a hay crop and the nuts a grain crop. They grow more compact than the Virginia Peanuts, making it possible to grow them closer, making the cultivation easier also. This variety frequently yields sixty bushels of marketable peanuts and two tons of hay per acre. Lb., **25c**; post paid.

Tennessee Red—The finest variety grown. Especially adapted to the black, waxy land as well as the sandy soil. The nuts contain three large kernels in each and are enormously productive. Lb., **30c**; parcel post paid.

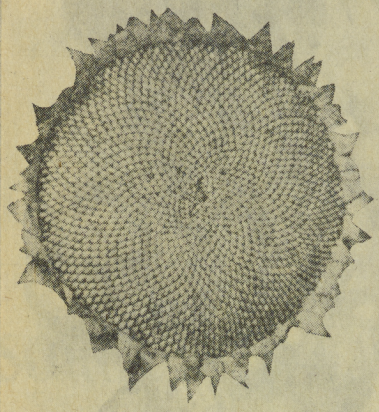
Valencia Peanut—This is the large Red Spanish Peanut, having 2 to 3 large, rich, sweet nuts in each hull. These need the best land and plenty of acid phosphate. When properly selected and sold as parched peanuts they bring the highest prices. Lb., **35c**; post paid.

Mammoth White Virginia—Largest size; white variety. Lb., **35c**; parcel post paid.

Canada Field Pea—The foliage and habit of growth is quite similar to the Garden Peas. It is sometimes grown alone, but the most satisfactory results are secured by using with oats, rye or barley. It is good feed either green or dry for cattle. Sow 60 to 90 pounds of seed to the acre. Price, qt., **35c**; parcel post paid.

RUSSELL-HECKLE'S FARM SEEDS

MAMMOTH RUSSIAN SUNFLOWER



A more profitable or important crop can hardly be raised. The seed is highly valued by farmers and poultry breeders, who have tried it. Single heads measure from 12 to 22 inches in diameter, and contain a lot of seed, which can be raised much cheaper than corn. Plant 6 lbs. to the acre in drills. Lb., **25c**; 3 lbs., **60c**; parcel post paid.

THE VETCHES

INOCULATE THIS SEED WITH NITRAGIN — Restores and Maintains Soil Fertility

Augusta— This, like field peas, is used for both green fodder and for plowing into the soil. Its use is rapidly increasing as a green fodder crop. Lb., **25c**; parcel post paid.

Hairy— For pasturing or feeding as green fodder it is very valuable, and nearly equal to clover for fertilizing. Sown with grain, it requires one peck of seed to each acre. Sow in September and October. Lb., **35c**; parcel post paid.

BROOM CORN

Improved Evergreen— An excellent variety of good length; has fine, straight straws. Sow in April, one gallon to the acre. Lb., **20c**; parcel post paid.

Oklahoma Dwarf— Straight, stiff stems and leaf; markets readily. Lb., **25c**; parcel post paid.

BUCKWHEAT

Sow three pecks to one bushel to the acre.

It can be sown so late as to prove a profitable second crop to follow early peas, potatoes, etc. Good pasturage for bees.

JAPANESE—It proves to be two weeks earlier than Silver Hull, both being planted at the same time. Kernels are peculiar and distinct. Makes a superior grade of flour. Lb., **25c**; parcel post paid.

DWARF ESSEX RAPE

THE MOST PROFITABLE PASTURE PLANT IN EXISTENCE

Rape is one of the quickest and cheapest pasture crops for sheep, young cattle, poultry and hogs. One acre of Dwarf Essex Rape will pasture more hogs, cattle and sheep than six acres of grass or clover. As a healthy, fattening pasture food it has no equal. It stands without a rival in cheapness and effectiveness.

It is an annual, bearing a close resemblance in leaf and stalk to the Rutabaga, but both leaves and stalk are more numerous in the Rape plant, and of a taller habit of growth. It is a pasture plant which may be eaten off by any kind of live stock, but it is pre-eminently fitted to furnish pasture for sheep, cattle and swine. A good crop will furnish at least 12 tons of green food, and its nutritive value is twice that of clover an acre. One acre of well-known rape will furnish pasture for twenty head of sheep for two months, and will fatten them in good form for market. Dwarf Essex Rape thrives best on a good soil, rich in vegetable matter. Slough lands are excellent. This plant may be grown successfully in the following ways, viz.: 1. In the early spring to provide pasture. 2. In June or July, on well-prepared land, to provide pasture. 3. Along with grain, using 5 lbs. of seed an acre, to provide pasture for sheep after harvest. 4. Along with peas, oats, clover seed, to provide pasture to get a "catch" of clover. 6. As a cover. Lb., **25c**; parcel post paid.

THOUSAND HEAD KALE

Dwarf Essex Rape

Large yield at a low cost, superior to Dwarf Essex Rape for the reason it stands both more hot and cold weather. It grows taller, stools considerable and makes a wonderful green feed which is much relished by sheep, lambs, hogs, cows and poultry. For hogs Thousand Head Curled Kale seems to be especially suited, fattening them rapidly. Large fields at a low cost is its reputation.

It would be right hard to estimate the influence of Thousand Head Kale on stock raising industry, remember it yields five times as much as Rape.

Sow four to five pounds to the acre broadcast in March, April and May, also September and October. Price: 1 lb., **60c**; 4 lbs., **$2.00**; parcel post paid.

Prices— On account of catalog going to press before Spring market has been established on all field seeds, we are unable to quote quantity prices. For current prices see Special Green Ink Price Sheet enclosed.

The Root Hand Gun

Built on the same principles as the Root Saddle Gun. Takes one row at a time. The powder can be applied from any angle, front, side or rear of the operator. No other duster has these features. Can be adjusted to put out 2½ pounds to 10 pounds per acre. The Root Hand Gun is a real duster, not a cheap, impracticable machine. From the standpoint of service, it is the lowest price duster on the market. Circulars mailed on application. Price on application.

Fall Bulbs

Our Fall Catalog and Price List will be ready in September. We import direct from growers a very select stock of Dutch Hyacinths, Tulips, Narcissus, Crocus, etc. Don't fail to write for a copy of Fall Catalog.

Seeds of all legumes—clover, alfalfa, vetch, all peas, beans and related crops—will yield far better if inoculated with Nitragin, and in addition leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops. Farmers and gardeners who have used it would not be without it.

Keep a Flock of Hens

A small number of chickens can be kept in almost any back yard.

They can be housed at small expense in piano boxes or other large packing cases.

They can be fed to a large extent on table scraps and vegetable waste.

Their eggs should make a substantial addition to the family food supply.

R.-H. Co's. Nursery Department

All Trees are F. O. B. Memphis unless otherwise noted.

GRAPES

Price: 2-Year Vines, each, **35c**; 10 for **$3.00.**

CONCORD—Fruit dark purple, large and sweet.

AGAWAM—A good cropper; fruit red, large.

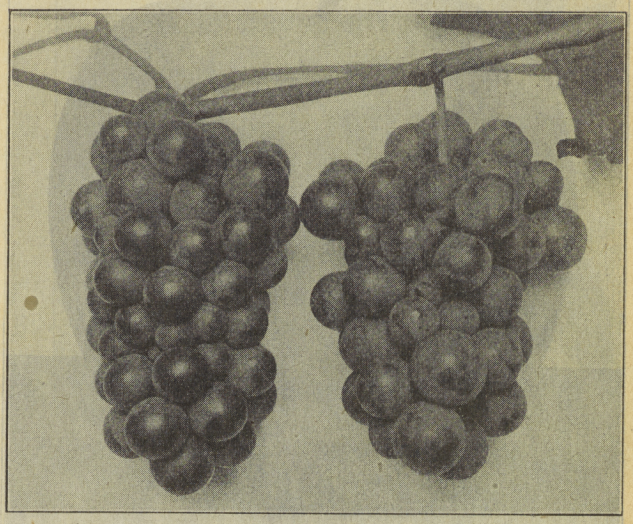
DELAWARE—Small red; juicy and sweet.

IVES—The best variety for wine; black, sweet.

DIAMOND—Greenish white; large size; good bearer.

NIAGARA—Fruit tender, sweet; large greenish white.

LUTIE—Brownish red; large; of delicious flavor.



Concord Grapes

SCUPPERNONG GRAPES

JAMES SCUPPERNONG—Large black fruit, of delicate flavor.

STANDARD SCUPPERNONG—Very large; bronze color; each, **60c**; 10 for **$5.00.**

GRAFTED PECANS

Plant 35 to 50 feet apart.

2 to 3-ft. Trees, each, **$1.25**; 10 for **$9.00.**

3 to 4-ft. Trees, each **$1.50**; 10 for **$11.00.**

STUART—The hardiest of this list. Large size; shell medium thin; quality good; one of the best varieties.

SCHLEY—A distinctly pointed nut of good size; thin shell, well filled; fine flavor.

FROTSCHER—Rich plump meat, medium to large nut; thin shell.

DELMAS—One of the largest; bears early; very thin shelled; productive.

CHESTNUTS

Each $1.00

JAPAN MAMMOTH—Produces mammoth size nuts; tree a vigorous grower.

AMERICAN SWEET—Tree a rapid grower; produces nuts early.

WALNUTS

Each, $1.00

ENGLISH—Makes a handsome tree; a table nut of fine quality.

JAPAN—A vigorous tree and a sure and prolific bearer.

Klondyke Strawberries

RASPBERRY PLANTS

Price any following varieties: 10, **$1.20**; 100, **$6.90**; parcel post paid. Not prepaid, 10, **$1.00**; 100, **$6.50.**

CARDINAL—Large reddish purple; almost a sure cropper.

CUTHBERT—Red, of excellent quality; ripens end of May.

ST. REGIS EVERBEARING—Fruit bright red; produces crop in the Spring, also in the Fall; will bear the first season. Almost a sure cropper every season.

BLACKBERRY PLANTS

Price either of following varieties: 10, **$1.20**; 100, **$6.90**; parcel post paid. Not prepaid, 10, **$1.00**; 100, **$6.50.**

EARLY HARVEST—Medium size, firm, productive.

ELDORADO—Large reddish black; very sweet.

STRAWBERRY PLANTS

Set in March and April in rows 3½ feet wide and 15 inches apart in the row. We can furnish any of the following varieties, but they will be shipped separate from any other trees or plants on our list. Plants ready in March.

Any of the following varieties: 50, **60c**; 100, **85c**; 500, **$2.50**; 1,000, **$4.35**; parcel post paid. Not prepaid: 100, **75c**; 500, **$2.25**; 1,000 or more **$4.00** per thousand.

Special prices quoted on larger quantities.

AROMA—Large size; dark red; one of the best of the late sorts.

EXCELSIOR—Extra early; high color; a vigorous grower and one of the best drought resisters.

LADY THOMPSON—Widely planted over the whole country.

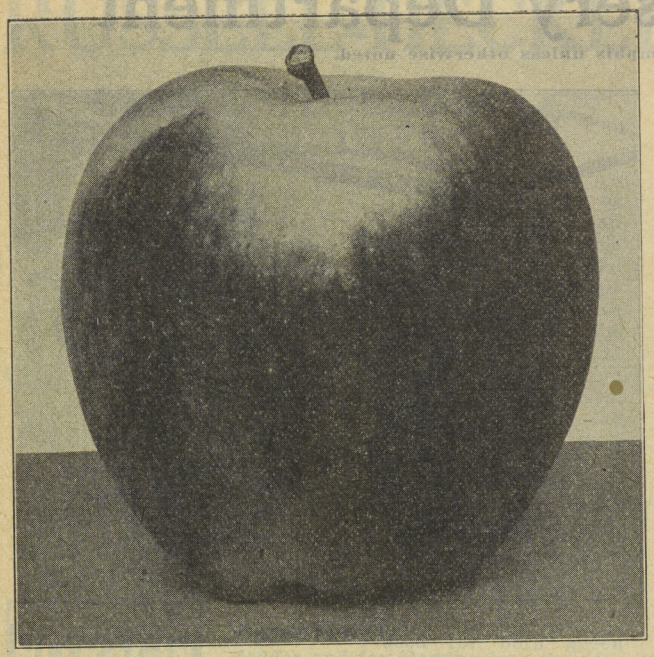
KLONDYKE—A shapely dark red berry of uniform size and one of the best shippers.

GANDY—The last to ripen; a large, firm bright crimson berry of good quality.

EVERBEARING STRAWBERRY PLANTS

PROGRESSIVE EVERBEARING—This is the best of the Everbearing sorts; berry is dark red, good shape and quality.

Price: 25, **70c**; 50, **$1.00**; 100, **$1.85**; 500, **$5.75**; 1,000, **$10.35**; parcel post paid. Not prepaid: 25, **60c**; 50, **90c**; 100, **$1.75**; 500, **$5.50**; 1,000, **$10.00.**



Delicious Apple

APPLES

Price: 2-Year Trees, each, **60c**; 10 for **$5.00.**

EARLY HARVEST—Yellow, medium to large size, fine flavor. The most profitable early apple in this section.

HORSE (Yellow Horse)—Large greenish yellow; acid; a good bearer; July-August.

RED JUNE—Medium size, oblong; deep red; middle of June to end of July.

GRIMES' GOLDEN—Large, golden yellow; good bearer; ripens in September.

JONATHAN—Dark red; early bearer; fine quality; ripens 1st September.

ROME BEAUTY—Large yellow, with red cheek; vigorous growth and bears young.

WINESAP—Small to medium size; fine, dark red; flesh crisp; an excellent keeper.

DELICIOUS—Very large, oblong; color rich crimson shaded to yellow; fine grain, juicy; a fine keeper and shipper.

YATES—One of the surest croppers and best keepers; dark red with white dots; flesh yellow, crisp and good.

STAYMAN WINESAP—Much like Winesap in size and appearance, but of better quality.

PLUMS

Price: 2-Year Trees, each, **75c**; 10 for **$6.50.**

ABUNDANCE—Large size, matures early; of bright red color; sweet and juicy.

BURBANK—Similar in all characteristics to Abundance, except that it is more globular. Of cherry red color, mottled with yellow.

COMPASS CHERRY-PLUM—A cross between the Sand Cherry and the Miner Plum. Fruit about one inch in diameter, bright red; when fully ripe a dark rich red. Remarkable in that it bears heavily the second or third year.

SHROPSHIRE DAMSON—European type. Of larger size than the old Blue Damson. Dark purple; good quality. In great demand for preserving.

RED JUNE—Skin of purplish red color; flesh yellow, solid, rather coarse grained, juicy; very prolific. Matures about the middle of June.

WILD GOOSE—Very large; bright red skin; yellow flesh; tree a vigorous grower.

WICKSON—A plum of large size and distinct, pointed shape. Of high quality purple when matured. It ripens the last of July.

RUSSELL-HECKLE'S FRUIT TREES

Set out small trees. They are more certain to grow and will bear fruit just as early as any large or older tree. It is a mistake to reset any tree older than two years.

Our trees are first-class and true to name. We represent one of the largest and most reliable nurseries in the South.

Terms are strictly cash, F. O. B., Memphis. No trees shipped C.O.D.

PEACH TREES

Price: 2-Year Trees, each, **60c**; 10 for **$5.00.**

ARP BEAUTY—The earliest yellow free stone peach; ripens June 10th.

BELLE OF GEORGIA—Very large; has white skin, attractive red cheek; flesh white, firm; freestone; ripens about the 10th of July.

CARMAN—Large, resembling Elberta; skin tough, creamy white, with deep blush; flesh creamy white; freestone; middle of June.

CHAMPION—Freestone; ripens July 20th; large creamy white with red cheek.

CHINESE CLING—Very large; yellowish white, mottled with carmine; flesh white, red at tip; a very juicy peach; clingstone; end of July.

ELBERTA—Of Georgia origin; firm yellow flesh and tough skin, which is yellow slightly overspread with red; fine red cheek; freestone; middle of July.

EARLY ROSE—Cling; larger than Mayflower; ripens May 15th; a good keeper; red sweet flesh.

GREENSBORO—Ripens in June; freestone; largest of all early peaches; skin is colored and dark red, shaded with yellow.

J. H. HALE—Averages one-third to one-half larger than Elberta, ripens about five days earlier and is much superior in flavor; color a beautiful golden yellow with deep carmine blush; one of the best freestones; ripens in July.

EARLY ELBERTA—Freestone; midseason; yellow, of the Elberta type, but earlier somewhat, finer grained, better in quality and sweeter; a very highly colored peach.

OLD MIXON CLING—Skin yellow, with red cheek; flesh pale white; one of the best clings; ripens July; freestone.

HEATH CLING—Late, Sept. 15; white tinged red, very juicy, rich and luscious.

HILEY, or EARLY BELLE—Large white with red cheek; freestone; ripens middle June.

WONDERFUL—Free, large yellow, splashed with carmine; ripens August.

KRUMMEL'S OCTOBER—Freestone; deep yellow, with carmine blush; ripens late.

Elberta Peaches

NURSERY DEPARTMENT

CERTIFICATE OF INSPECTION

Issued annually by the Tennessee State Entomologist, showing freedom of our stock from San Jose Scale and other injurious insects and diseases, will be attached to every shipment.

SPECIAL NOTICE

If out of the variety ordered, do we have your permission to substitute equal or better in the nearest we can supply? Advise us.

CHERRIES

Price: 3 to 4-ft. Trees, each, **75c;** 10 for **$7.00.**

BLACK TARTARIAN—Large, purplish black; a pleasant flavor.

EARLY RICHMOND—Medium in size; light red; acid; ripens last of May.

ENGLISH MORELLO—Dark red, almost black; tender and juicy.

GOVERNOR WOOD—Good size; clear, light red; tender and juicy.

LARGE MONTMORENCY—Very productive; large size; rich red; follows Early Richmond. Tree a strong grower and a sure bearer.

PEARS

Price: 2-Year Trees, each, **75c;** 10 for **$6.50.**

KOONCE—Very early; yellow skin with sweet flesh.

FLEMISH BEAUTY—Large, beautiful pear, melting and sweet.

BUERRE DE ANJOU—Yellow shaded crimson; large size tree; a good bearer.

DUCHESS—Very large; good keeper; excellent quality.

LE CONTE—Good size, bell-shaped. Tree a vigorous grower; bears young.

SECKEL—This little pear is the standard for flavor. Yellowish russet with red cheek; very juicy and melting. August.

KIEFFER—Large to very large; yellow, with vermillion cheek; brittle flesh; quality usually poor; greatly improved if ripened in dark, cool room. Matures in September. Prolific; begins bearing early—the third or fourth year.

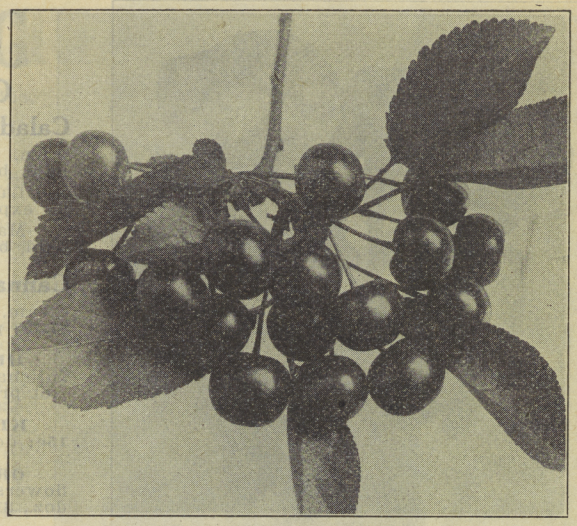
GARBER—Larger than Kieffer; a beautiful yellow; ripens in September.

FIGS

First Grade: Each, **85c;** 10 for **$7.50.**

BROWN TURKEY—Large, with broad base; reddish purple skin; flesh pink; very fine.

CELESTIAL—Pale violet; large size fruit; very hardy.



Large Montmorency Cherries

QUINCES

Price: 3 to 4-ft. Trees, each, **$1.00;** 10 for **$8.50.**

ORANGE—Fruit of good size, bright yellow; excellent flavor.

MEECH PROLIFIC—The largest quince in cultivation; an early bearer.

Celestial Figs

APRICOTS

Price: 4 to 5-ft. Trees, each, **$1.00.**

EARLY GOLDEN — Very early, productive and of good size.

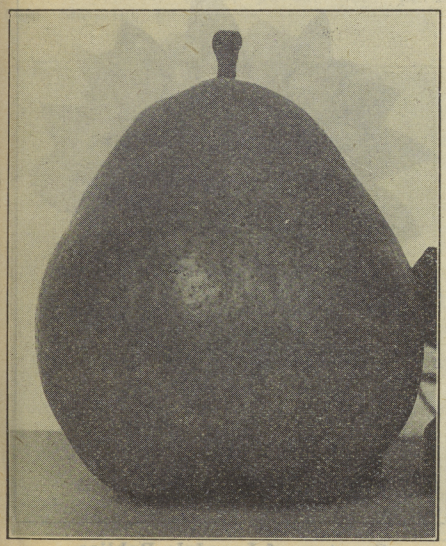
ROYAL—Large, yellow, with orange cheek; rich and delicious.

MULBERRIES

Price: 4 to 6-ft. Trees, each, **$1.00.**

DOWNING—Berry large, black; ripens ahead of Hick's; hardy and prolific.

HICK'S EVERBEARING—Follows Black English and continues in bearing for weeks; berry is black.



GARBER PEAR

MULFORD CULTURES—We recommend and sell Mulford Cultures for legumes to inoculate your alfalfa, clovers, cowpeas, soy beans, vetches and other legume crops. Small cost, large returns; easy to use; no labor expense.

Prices: Mulford Cultures are supplied for the varieties of legumes listed at the following prices: 5 acre size (**$1.00** per acre) $5.00; 1 acre size, **$1.50;** garden size, **¼ acre size, 75c.**

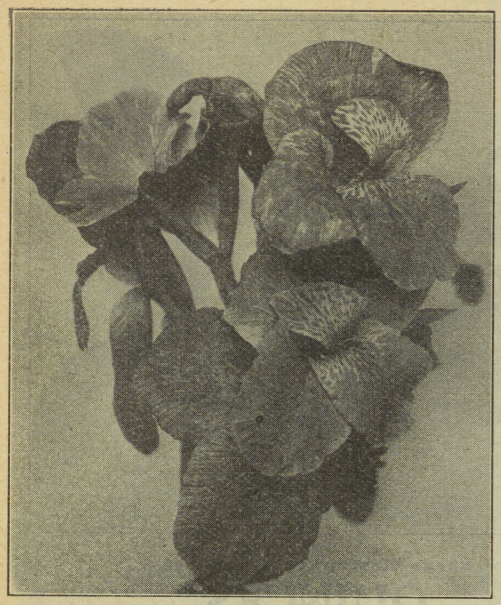
The basis of better rural life is greater earning capacity. This the farmer can only obtain by building up and maintaining his soil fertility.

In planting the garden this year try some sugar corn. The best late varieties are Country Gentleman and Stowell's Evergreen.

If you are going to do anything permanent for the average man you can begin before he is a man. The chance of success lies with the boy and not with the man.

ORDERS FOR TREES

Will be filled as soon as weather permits. It usually requires eight to ten days to get the stock from our nursery. Remember, we will give your order attention at the earliest possible moment.



President Cannas

R.-H. CO'S BULBS FOR

CALADIUMS OR "ELEPHANT EARS"

Caladiums—Caladiums are the most effective plants in cultivation for beds, borders, or for planting out upon the lawn. Small bulbs, each, **15c**; doz., **$1.25**; parcel post paid. Not prepaid, by express, each, **10c**; doz., **$1.00.**

Large bulbs, each, **25c**; doz., **$2.50**; parcel post paid. Not prepaid, by express, each, **20c**; doz., **$2.00.**

Mammoth bulbs, each, **50c**; doz., **$4.25**; parcel post paid. Not prepaid, by express, each, **40c**; doz., **$4.00.**

Canna Bulbs—**EUREKA**—Remarkably free flowering variety, and with its striking white flowers which appear first cream, makes a wonderful show; grows 4½ feet. Each, **20c**; doz., **$1.75**; parcel post paid. Not prepaid, each, **15c**; doz., **$1.50.**

HUNGARIA—The new pink canna with green foliage, a beautiful shade of rose pink, 4 feet. Each, **20c**; doz., **$2.00**; parcel post paid. Not prepaid, each, **15c**; doz., **$1.75.**

KING HUMBERT—Orange scarlet, bronze foliage, 4 feet. Each, **15c**; doz., **$1.50**; parcel post paid. Not prepaid, each, **10c**; doz., **$1.25.**

ORANGE BEDDER—Green foliage, very large orange scarlet flowers, 4 feet. Each, **20c**; doz., **$1.75**; parcel post paid. Not prepaid, doz., **$1.50.**

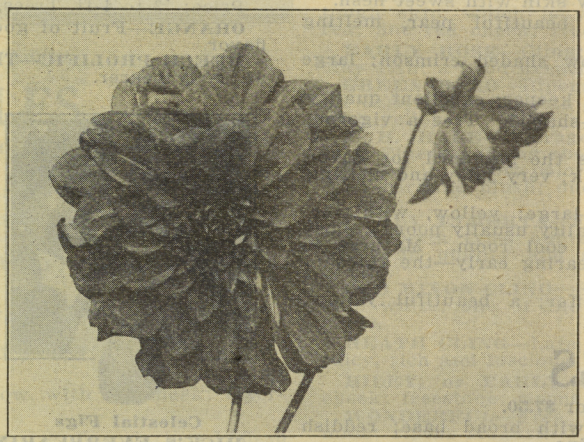
RICHARD WALLACE—An old reliable favorite; deep golden yellow flower, and holds its size throughout the season; attains four feet in height. Each, **15c**; doz., **$1.25**; parcel post paid. Not prepaid, each, **10c**; doz., **$1.00.**

Choice Dahlias (in Colors)

Plant bulbs in March and April, 3 feet apart. The dahlia is one of the prettiest of our summer flowers.

Double Pink
Double White
Double Salmon
Double Purple
Double Scarlet
Double Orange
Double Yellow
Double Striped.

Each, **20c**; doz., **$1.80**; parcel post paid. Not prepaid: Each, **15c**; doz., **$1.50.**



Jack Rose Dahlia

THE PRESIDENT—Bright crimson, very large flower, deep green foliage. 4 feet. Each, **15c**; doz., **$1.50**; parcel post paid. Not prepaid, each, **12c**; doz., **$1.25.**

THE GEM—Deep cream or straw color, dotted with pale carmine, foliage green. 4 feet. Each, **15c**; doz., **$1.25**; parcel post paid. Not prepaid, each, **10c**; doz., **$1.00.**

YELLOW KING HUMBERT—Yellow dotted red, green foliage. 4 feet. Each, **20c**; doz., **$1.75**; parcel post paid. Not prepaid, doz., **$1.50.**

Fancy Named Dahlias—Prices on the following named eight varieties of Dahlia Bulbs as follows: Each, **30c**; dozen, **$2.50**; parcel post paid. Not prepaid, each, **25c**; dozen. **$2.25.**

A. D'LIVONI—A grand show variety; the finest of the bright pinks.

KING OF AUTUMN—One of the finest show dahlias, rich golden bronze.

COUNTESS OF LONSDALE—Rich salmon pink; cactus form.

STRADELLA—Fancy show, large purple dahlia.

JACK ROSE—Decorative dahlia, of bright crimson red color.

MINA BURGLE—A perfect decorative dahlia; fine, large, bright red.

PRINCESS VICTORIA—Primrose yellow, large bold flower.

LYNDHURST—Double show dahlia, pure cardinal red.

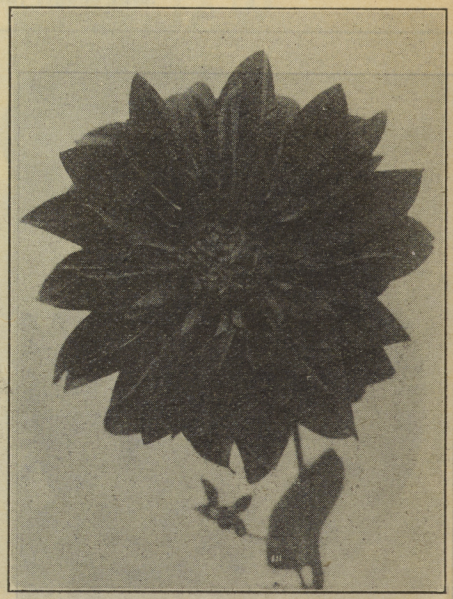
HENRY PATRICK—A grand white cactus dahlia.

SYLVIA—Mauve pink; extra large decorative type.

WORM IN PEACH TREES CONTROLLED NOW WITH PARADICHLOROBENZENE

1 lb. treats 16 trees; **50c** per lb., by parcel post, **60c**; 5 lbs. **$2.00**; 100 lbs., **$26.00.**

Requires only one ounce to a tree; recommended by the United States Department of Agriculture. Ask for circulars on this new discovery.



Countess of Lonsdale Dahlias

SPRING PLANTING

Gladioli—One of the best and most certain flowering bulbs. Plant at intervals from March to July.

Fine Named Gladiolus Bulbs

AMERICA—Soft, lavender pink; very fine. Doz., **60c**; 100, **$3.75**; parcel post paid. Not prepaid: Doz., **50c**; 100, **$3.50.**

BARON HULOT OR BLUE KING—A really fine blue gladiolus, rich royal violet blue. Doz., **$1.00**; 100, **$7.50**; parcel post paid. Not prepaid: Doz., **90c**; 100, **$7.00.**

HALLEY—Delicate rose, with a white blotch. Doz., **65c**; 100, **$4.00**; parcel post paid. Not prepaid: Doz., **55c**; 100, **$3.75.**

MRS. FRANCES KING—Produces immense flamingo pink blossoms. Doz., **60c**; 100, **$3.75**; parcel post paid. Not prepaid: Doz., **50c**; 100, **$3.50.**

MRS FRANK PENDLETON, JR.—Salmon pink, blotched red. Doz., **75c**; 100, **$5.00**; parcel post paid. Not prepaid: Doz., **65c**; 100, **$4.75.**

NIAGARA—A delightful cream yellow shade, splashed with carmine. Doz., **75c**; 100, **$5.00**; parcel post paid. Not prepaid: Doz., **65c**; 100, **$4.75.**

PANAMA—Darker pink than America and larger. Doz., **70c**; 100, **$4.50**; parcel post paid. Not prepaid: Doz., **60c**; 100, **$4.25.**

PEACE—Immense pure white flowers with a touch of carmine in the lower petals. Doz., **75c**; 100, **$5.00**; parcel post paid. Not prepaid: Doz., **65c**; 100, **$4.75.**

PRINCE OF WALES—Delicate apricot pink, suffused with salmon, a most pleasing color. Doz., **$1.00**; 100, **$6.85**; parcel post paid. Not prepaid: Doz., **90c**; 100, **$6.50.**

PURITY—A pure white gladioli, a wonderful large flower, full spike and very showy. Doz., **65c**; 100, **$4.25**; parcel post paid. Not prepaid: Doz., **60c**; 100, **$4.00.**

SCHWABEN—Pure canary yellow, shaded sulphur yellow. Doz., **70c**; 100, **$4.50**; parcel post paid. Not prepaid: Doz., **60c**; 100, **$4.25.**

Panama Gladiolus

Mixed Gladiolus Bulbs

Fine Mixed Hybrids—Doz., **40c**; 100, **$2.75**; parcel post paid. Not prepaid: Doz., **35c**; 100, **$2.50.**

R.-H. Co.'s Giant Flowering Mixed—Made up from the best named sorts and comprises almost every shade in existence. This mixture is the finest Gladiolus that can be obtained from any source. Doz., **60c**; 100, **$3.20**; parcel post paid. Not prepaid: Doz., **50c**; 100, **$3.00.**

Primulinus Hybrids—A new species called the Butterfly Gladiolus; mixed colors. Doz., **60c**; 100, **$3.75**; parcel post paid. Not prepaid: Doz., **50c**; 100, **$3.50.**

L. Aratum Golden Banded Lily

Peonies—Adapted for massing in beds, fine for shrubbery border.

DOUBLE CRIMSON—DOUBLE PINK—DOUBLE WHITE. **Prices** of above three varieties, each **30c**; 6 for **$1.50**, parcel post paid. Not prepaid, each, **25c**; 6 for **$1.25.**

Lilies

L. ARATUM—Golden Band Lily, flowers white, dotted crimson with a gold band in the center of each petal.

L. RUBRUM—Bright crimson and white spotted.

L. ALBUM—Large pure white flowers.

Prices of above three varieties of lilies uniform as follows: Each, **30c**; dozen, **$2.70**, parcel post paid. Not prepaid, each, **25c**; dozen, **$2.50.**

Amaryllis—Easily grown, can be forced in pots or planted outdoors. They make a beautiful blossom resembling the lily.

PINK OR RED AMARYLLIS—Parcel post paid, each, **40c**; 3 for **$1.50.** Not prepaid, each **35c**; 3 for **85c.**

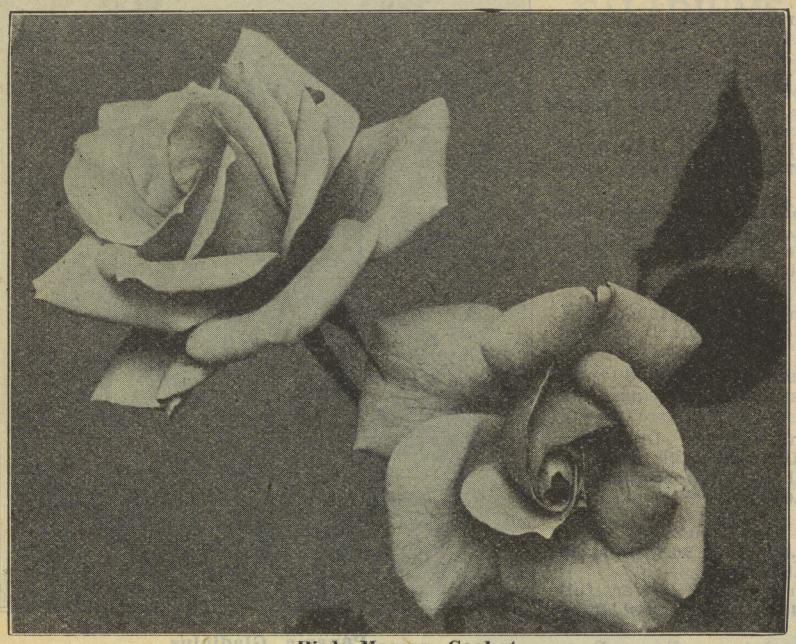
Tuberoses—**Armstrong's Ever-Blooming TUBEROSE**—A single, sweet-scented early blooming variety; blooms longer than the double. Doz., **60c.** 100, **$4.00**; parcel post paid. Not prepaid: Doz., **50c**; 100, **$3.75.**

DOUBLE PEARL—Doz., **60c**; parcel post paid. Not prepaid, doz., **50c**; 100, **$3.50.**

MADEIRA VINE—A beautiful, rapid growing climber, bearing fragrant white flowers. Each, **10c**; doz., **$1.00**; parcel post paid.

Double Pearl Tuberose

R.-H. CO'S. SHRUBS AND SHADE TREES



Pink Maman Cochet

EVERBLOOMING MONTHLY ROSES

All two-year-old field grown hardy plants. Set this spring and they will bloom the coming fall. Prices uniform, any variety: Each, **75c**; 10 for **$6.00.**

WHITE MAMAN COCHET—Waxy white.
PINK MAMAN COCHET—Beautiful pink.
KAISERIN AUGUSTA VICTORIA—Large white.
RED RADIANCE—Clear red.
PINK RADIANCE—Rich pink.
ALEX HILL GRAY—Lemon yellow.
PRESIDENT TAFT—Deep pink.
GRUSS AU TEPLITZ—Fiery crimson.
ETOILE DE LYON—Golden yellow.
BRIDESMAID—Beautiful pink.

CLIMBING ROSES

Two-year-old field grown hardy plants. Set in the spring for blooming the following fall. Price, each, **75c**; 5 for **$3.00.**

CLIMBING AMERICAN BEAUTY—Rich red.
DOROTHY PERKINS—Shell pink.
CRIMSON RAMBLER—Vivid crimson.
WHITE DOROTHY PERKINS — Pure white.
DR. VAN VLEET—Flesh white.

SHRUBS

ALTHEA, RED—Bloom entire summer; 6 to 10 feet high. Each, **50c.**
ALTHEA, PURPLE—Hardy; beautiful. Each, **50c.**
ALTHEA, WHITE—For the hedge. Each, **50c.**
BUTTERFLY BUSH—Fragrant flowers. Each, **50c.**
BARBERRY THUNBERGII—Each, **50c.**
CALYCANTHUS—Sweet scented shrub. Each, **75c.**
CREPE MYRTLE—Height 10 to 15 ft. Each, **75c.**
DEUTZIA, three kinds—Flowering. Each, **75c.**
FORSYTHIA (Golden Bell)—Each, **50c.**
HYDRANGEAS—Large blossoms. Each, **75c.**
LILAC, PURPLE—Very fragrant. Each, **75c.**
PEARL BUSH—For groupings. Each **75c.**
SYRINGA—A valuable shrub. Each, **50c.**
SNOWBALL—Very showy flowers. Each, **50c.**
SNOWBERRY—Graceful form. Each, **50c.**
SPIREA, VAN HOUTTE—Probably the most popular shrub for all purposes. Each, **40c.**
WEIGELA, ROSEA—Distinct color. Each, **50c.**

EVERGREENS

We offer, in two sizes, all suitable for our climate, a varied selection. They are dug with a ball of earth and burlapped. Evergreens handled in this manner will grow as readily as deciduous shrubs.

Price acording to size.

ABELIA—A good blooming evergreen—**$1.00** and **$2.00.**
ARBOR VITAES—Green and Golden, 5 varieties— **$1.50** and **$2.00.**
ARIZONA CYPRESS—Bluish Green, rapid grower—**$3.00** and **$4.00.**
CAPE JASMINE—Well known Southern favorite—**$2.00** and **$3.00.**
EUONYMUS—Green, silver and gold, all good—**$1.50** and **$2.00.**
EVERGREEN PRIVET—Tall and bush varieties—**$2.00** and **$2.50.**
IRISH JUNIPER—Tall and columnar, good grower—**$2.00** and **$2.50.**
JAPANESE CYPRESS—Four varieties, all beautiful—**$2.00** and **$3.00.**
NORWAY SPRUCE—The Christmas Tree of the North—**$3.00** and **$3.50.**

HEDGE PLANTS

Well transplanted, strong plants.

AMOOR PRIVET—25, **$2.00**; 100, **$7.00.**
CALIFORNIA PRIVET—25, **$1.50**; 100, for **$5.00.**

SHADE TREES

CHINA UMBRELLA—Each, **$1.50.**
ELM, AMERICAN WHITE—Each, **$1.50.**
MAPLE, SILVER—Each, **$1.25.**
POPLAR, LOMBARDY—Each, **$1.00.**
MAGNOLIA GRANDIFLORA—Each, **$2.00.**
MAPLE, SUGAR—Each, **$1.50.**
MAPLE, BOX ELDER—Each, **$1.50**
RED BUD JUDAS TREE—Each, **$1.50.**

VINES

BOSTON IVY (Ampelopsis, Veitchii)—Each, **50c.**
CLEMATIS, White Cluster—Each, **50c.**
CLEMATIS, Violet Purple—Each, **75c.**
CLEMATIS, Crimson Red—Each, **75c.**
KUDZU VINE—Each, **40c.**
HONEYSUCKLE VINE, three varieties—Each, **40c.**
VIRGINIA CREEPER—Each, **50c.**
WISTARIA, Purple-White—Each, **75c.**

Lombardy Poplars

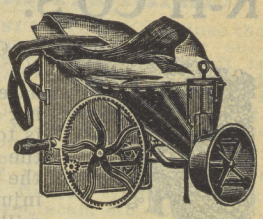
R.-H. Co's GARDEN PLOWS AND SEED SOWERS

Cyclone Seed Sower

Will sow Timothy, Clover, Oats, Rye, Wheat, Millet, Grass Seeds, Peas, Sorghums, etc. Distributes evenly, works perfectly; has an agitating feed plate, which insures a uniform flow of seed. **Price:** Each, **$2.25;** by parcel post, **$2.45.**

Cahoon Broadcast Seed Sower

One of the best seeders manufactured, and sows all kinds of grain, clover, seeds, etc. **Price:** Each, **$4.25;** by parcel post, **$4.60.**



Cahoon Broadcast Seed Sower

The Horn Seed Sower

A splendid little tool, simple and easy to operate. Will sow any fine seed like Clover, Lespedeza, Timothy, Alfalfa and grasses. **Price: $1.00;** by parcel post, **$1.10.**

Thompson's Wheelbarrow Seed Sower

Will sow accurately any fine, heavy, light, or coarse, grass seeds, clovers, etc. The seeders are light, not complicated, easily regulated and weighs about 50 lbs. all set up. Any ordinary operator can sow 20 to 30 acres per day.

We can furnish the Thompson Wheelbarrow seeder with either wire or rope agitators, the two machines listed below will sow in addition to other grass seeds, Alfalfa, and Lespedeza to perfection.

Price: No. 2-14 ft. hopper with rope agitator, each.....**$12.50**

Price: No. 12-14 ft. hopper with wire agitator, each..... **12.50**

Thompson's Wheelbarrow Seed Sower

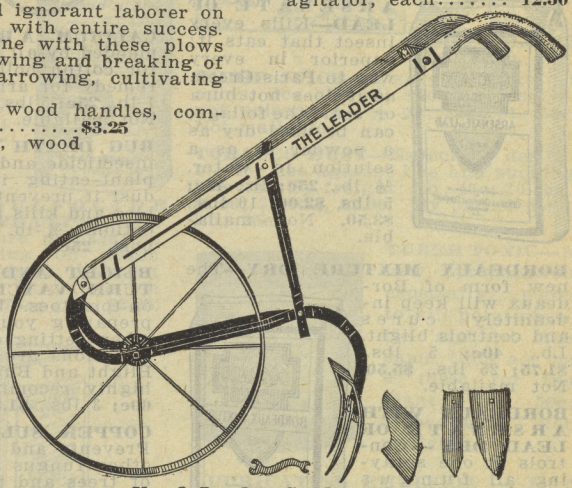
Hand Garden Plows

The most inexperienced and ignorant laborer on earth can handle these tools with entire success. All kinds of work can be done with these plows and combination of tools; plowing and breaking of the ground in spring and harrowing, cultivating and weeding.

No. 3—Leader Garden Plow, wood handles, complete with 5 tools.....**$3.25**

No. 15—Dixie Garden Plow, wood handles, complete with 4 tools.....**$3.00**

No. 22—Bateman Hand Garden Plow with mold board, 1 tool **1.50**



No. 3 Leader Garden Plow

Paper Flower Pots

These are made of heavy Neponset Paper and are nearly equal to the stoneware styles, and much more convenient to handle.

2-inch: 100, **40c;** 1,000, **$3.50;** by parcel post, 100, **50c.**

2½-inch: 100, **50c;** 1,000, **$4.50;** by parcel post, 100, **60c.**

3-inch: 100, **75c;** 1,000, **$6.00;** by parcel post, 100, **85c.**

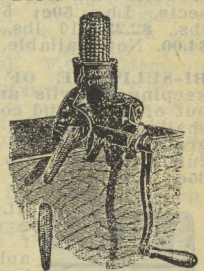
3½-inch: 100, **$1.00;** 1,000, **$8.00;** by parcel post, 100, **$1.15.**

4-inch: 100, **$1.25;** 1,000, **$10.00;** parcel post, 100, **$1.40.**

Pruning Shears

Pruning Shears

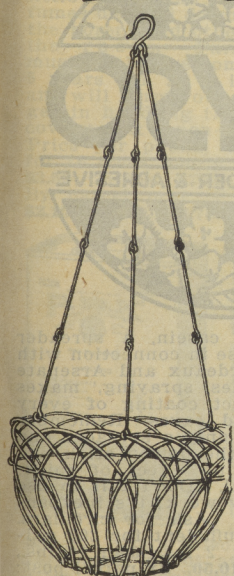
	Parcel Post
No. 50—9 in. Pexto Pruning Shears, each.... **$1.25**	**$1.40**
No. 65—9 in. Pexto Pruning Shears, each.... **1.75**	**1.90**
No. 14—6 in. Pexto Pruning Shears, each.... **1.50**	**1.60**
No. V20—Long handle, 24 in., Lopping Shears **2.50**	**2.85**
No. V50—Polished Sheep or Grass Shears..... **.90**	**1.05**



Red Chief Hand Corn Sheller

Wire Hanging Flower Basket

8-inch; Each, **20c;** parcel post, **30c**
10-inch: Each, **30c;** parcel post, **40c**
12-inch: Each, **35c;** parcel post, **50c**
15-inch: Each, **60c;** parcel post, **75c**



Wire Hanging Flower Basket

Red Chief Corn Sheller

Will shell more corn by hand than any tool of its kind. Is fully guaranteed. **Price:** Each, **$2.50;** by parcel post within the third zone, each, **$3.00.**

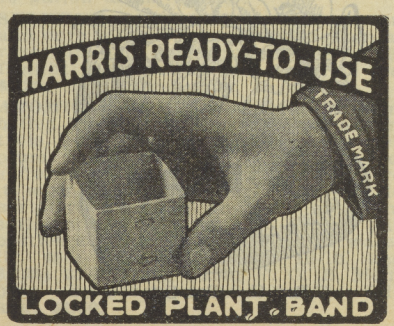
Have the Earliest Vegetables

START YOUR PLANTS EARLY—

Place them in bands and by having large plants to set out, gain several weeks on the season.

2x2 dirt bands, no bottom, 250, **$1.25;** 1,000, **$2.75;** case of 5,000, **$11.50;** by parcel post, 250, **$1.40.**

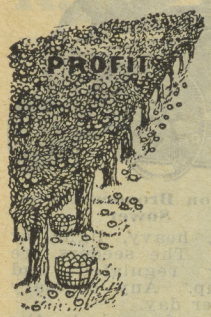
3x3 dirt bands, no bottom, 250, **$1.50;** 1,000, **$4.00;** case of 2,500, **$8.40;** by parcel post, 250, **$1.70.**



Miscellaneous Items

1-bu. Stave Baskets, per doz.....**$1.75**
3-qt. Tomato or Peach Basket, per 100 ..... **2.00**
1-qt. Strawberry Boxes, per 100.. **1.25**
Segment Hand Corn Planter, 1 hand, each..... **1.50**
Michigan Hand Weeders, ea..... **.15**
Reddick Mole Trap, each..... **1.00**

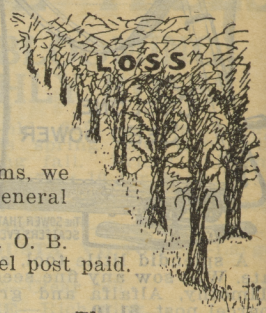
R-H CO'S. INSECTICIDES AND SPRAY MATERIALS



These Trees Were Sprayed

Our service in this department is free; do not fail to come to us for any information needed in the spraying line. We keep up to date and have in stock the very newest and best materials for spraying at all times. The most important thing to remember in spraying is to have a good spray pump. You cannot do work unless you have the proper tools, and then be sure to follow directions for diluting the various materials so as to avoid any possibility of burning or injuring the foliage or young fruit buds. Come to us with your problems, we will help you. Refer to page 82 of this book where you will find general information on spraying various plants, fruits, etc.

Poisonous insecticides and liquids are not mailable. Prices are F. O. B. Memphis, buyer paying carriage charges, excepting where priced parcel post paid.



These Trees Were Not Sprayed

ALL IN ONE MIXTURE—Corrects all insects and many fungus troubles, simply dust the plants with All in One Mixture and the insects whether the chewing or sucking kind, will leave.

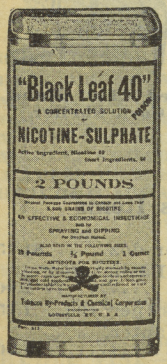
Price, 1 lb., **35c**; in bulk, 5 lbs., **$1.50**; 10 lbs., **$2.50.** Not mailable.

ARSENATE OF LEAD—Kills every insect that eats it; superior in every way to Paris Green, as it does not burn or scald the foilage; can be used dry as a powder or as a solution in water. ½ lb., **25c**; lb., **45c**; 5 lbs, **$2.00**; 10 lbs., **$3.50.** Not mailable.

BORDEAUX MIXTURE DRY—The new form of Bordeaux will keep indefinitely; cures and controls blight. Lb., **40c**; 5 lbs., **$1.75**; 25 lbs., **$5.50.** Not mailable.

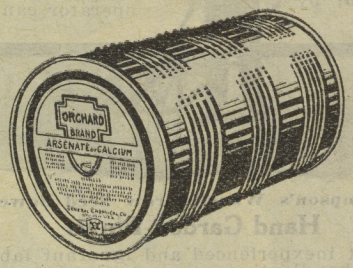
BORDEAUX WITH ARSENATE OF LEAD DRY—Controls at one spraying all fungus troubles and insects. Lb., **50c**; 5 lbs., **$2.25**; 10 lbs., **$4.00.** Not mailable.

BI-SULPHIDE OF CARBON—For keeping weevils and other insects out of grain and cow peas. Pour in shallow vessel and place on top of grain, covering the container, as the fumes descend into the grain. 1 lb., **65c.** Not mailable.



BLACK LEAF 40—A nicotine solution for destroying aphis, lice, etc., on both garden and flowering plants. A teaspoonful makes 1 quart of solution. This is one of the most effective preperations for general sucking insect. Oz., bottles, **35c** ½-lb. tin, **$1.25**; 2-lb. tin, **$3.50**; 10-lb. tin, **$13.50.** Not mailable.

BUG DEATH—Very safe, being non-poisonous; effective on all garden insects. Price, by freight. Lb., **20c**; 3 lbs., **45c**; 5 lbs., **60c**; 12½ lbs., **$1.25**; 100 lbs., **$8.50.** Parcel post. Lb., **30c**; 3 lbs., **60c**; 5 lbs., **80c**; 12½ lbs., **$1.70.**



CALCIUM ARSENATE—Recommended by all experimental stations for cotton boll weevil; also, a sure remedy for army and other worms. 1 lb., **25c**; 5 lbs., **$1.00**; 100 lbs, **$14.50.** Not mailable.

BUG DEATH ALPHA—A combined insecticide and fungicide for certain plant-eating insects; applied as a dust it prevents many fungus troubles and kills insects at same application. ¾-lb. carton, **20c**; by parcel post, **25c.**

BLIGHT AND BUG DEATH MIXTURE VAYCIDE—Prevents blight on tomatoes. Use it in the soil when preparing your seed bed or use it when setting out your plants. Full directions are on the box. Vaycide Blight and Bug Death Mixture comes highly recommended. Price, 1 lb., **60c**; 3 lbs., **$1.50.** Not mailable.

COPPER SULPHATE SOLUTION—Prevents and cures blight, rot and other fungus troubles on all kinds of trees and plants. Qt., **40c.** Not mailable.

CORROSIVE SUBLIMATE—Used for treating sweet potatoes before bedding to prevent black rot and other fungus diseases. One ounce will make 8 or 10 gallons of water, enough to dip 8 to 10 bushels of sweet potatoes. Price, lb., **$1.75.** By express or freight only. Not mailable.

CUT WORM KILLER—Absolutely certain death to the troublesome cut worm. Lb. box, **30c.** Not mailable.

Reg. U. S. Pat. Off.

FISH OR WHALE OIL SOAP WITH POTASH—Prevents and cures aphis lice and other troubles on plants and trees. 1 lb., **35c**; 5 lbs., **$1.50.** By parcel post: 1 lb., **45c**; 5 lbs., **$1.60.** With tobacco: 1 lb., **40c.** By parcel post, 1 lb., **50c.**

FOS
TRADE MARK
FISH OIL SOAP

FORMALIN—Used for treating oats, wheat, etc., to prevent smut; also to prevent potato scab. One pound will make 30 gallons of solution. By freight only. Lb. bottles, **$1.00.** Not mailable.

GRAFTING WAX—Used for grafting scions on trees. ¼ lb., **20c**; by parcel post, **30c.**

HELLEBORE—Will kill most all insects; does not burn plants; is poisonous, but safe to use. ½ lb., **30c**; lb., **50c.** Not mailable.

INSECT CHECKER—Sure death to all leaf-eating insects. Box, **20c**; 6 boxes, **$1.00.** Not mailable.

INSECTO—A dry-powdered insecticide and fungicide; controls leaf-eating insects and fungi diseases in one spraying, thereby saving time and money. Lb., **25c**; 5 lbs., **$1.00.** Not mailable.

KAYSO—Prepared casein, a spreader and adhesive for use in connection with Lime Sulphur, Bordeaux and Arsenate of Lead. Simplifies spraying, makes possible the perfect coating of every part of the tree and leaves. Remember that Kayso is not only a spreader and binder; it makes the poison stick and resistant to washing effect of rains; also saves material. Don't fail to use it with your spray work; it's inexpensive and effective. Ask for circulars. 2 lb. package is sufficient for 200 gallons spray. Price: 2 lbs., **60c**; 10 lbs., **$2.50**; 50 lb. bag, **$10.50.** By parcel post: 2 lbs., **75c**; 10-lb. bag, **$2.75.**

RUSSELL-HECKLE'S INSECTICIDES AND SPRAY MATERIALS

KEROSENE EMULSION—Especially effective against aphis and lice on all plants. Pt., **30c**; qt., **50c**. Not mailable.

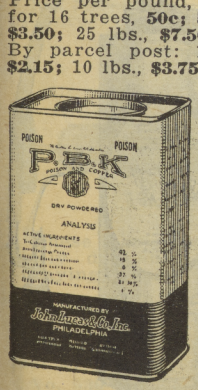
LIME SULPHUR SOLUTION—A concentrated liquid form easily mixed. Simply add 10 gallons of water to 1 gallon of the solution. Price: Qt., **50c**; ½ gal., **75c**; gal., **$1.25**; 5 gals., **$5.00**; ½ bbl., about 30 gallons, **$18.00.**

LIME SULFUR POWDERED — Dry Lime Sulfur is the actual standard liquid material in dry powdered form and requires only the addition of water to make an effective spray. By freight: Lb., **35c**; 5 lbs., **$1.50**; 10 lbs., **$2.50**; 25 lbs., **$5.00**; 100 lbs., **$16.00.**

LOTOL—The jelly form in convenient tubes kills aphis and all sucking insects. 1 oz., **35c**; 3 oz., **75c.** By parcel post, 1 oz, **40c**; 3 oz., **80c.**

PARIS GREEN—Has been on the market for many years, and is known for its effectiveness. It must be used with care; one teaspoonful to one gallon of water will be safe. ¼ lb., **25c**; ½ lb., **35c**; 1 lb. **60c**; 5 lbs., **$2.75.** Not mailable.

PARADICHLOROBENZENE— Peach Tree Borer control. Discovered at last, a sure cure for peach tree borer. Time of application, Sept. 25 to Oct. 31. Method of application, applied to the soil around the tree, making a little trench and then covering. The fumes descend downward, killing all the borers and other insects around the roots. Paradichlorobenzene must not be used on any trees under 5 years old, as it is very powerful and will harm young trees. No danger in handling this wonderful discovery as it is non-poisonous to man. Price per pound, which is enough for 16 trees, **50c**; 5 lbs., **$2.00**; 10 lbs., **$3.50**; 25 lbs., **$7.50**; 100 lbs., **$26.00.** By parcel post: 1 lb., **60c**; 5 lbs., **$2.15**; 10 lbs., **$3.75.**



P. B. K. — Especially recommended for potatoes, tomatoes and egg plants. It kills bugs quickly, it stimulates growth, it does not burn, it spells safety and results. PBK is a perfect insecticide and can be used either in a dust or spray form. Use 4 lbs. to 50 gallons of water. It is a poison but with ordinary care is not at all dangerous. Price: 4-lb. packages, **$2.00**; 100 lbs., **$35.00, F. O. B. Memphis.**

POMO DUST — For black spot on roses, when the leaves on the rose plants turn yellow and have small black spots on them, causing them to drop off, you can correct this trouble which many think is blight with Pomo Dust. This preparation contains several different chemicals that will absolutely correct black spot on the rose plant.

Price: 1 lb. **35c**; 5 lbs, **$1.25**; 25 lbs, **$3.75**; 100 lbs., **$12.00.** By parcel post: 1 lb., **45c**; 5 lbs., **$1.50.**

PYROX — Destroys insects and prevents blight all at one spraying; a combination of Bordeaux, Paris Green and Arsenate of Lead. Especially recommended for tomato blight, etc. Lb. jar, **50c**; 5 lbs., **$2.00**; 10 lbs., **$3.50.** Not mailable.

SLUG SHOT—Especially effective against cut worms and is not poisonous. Price: by freight, lb., **20c**; 5 lbs., **60c**; 10 lbs., **$1.15**; 25 lbs., **$2.75**; 125-lb. keg, **$12.50.** Parcel post: Lb., **30c**; 5 lbs., **75c**; 10 lbs., **$1.40.**

SULFOCIDE *A Better Summer Spray*

SULFOCIDE (PRATT'S) — A sure preparation for the second spraying on peach trees. Prevents wormy fruit; does not burn and easy to use. Directions on each can. Pt., **50c**; qt., **75c**; gal., **$2.25.** Not mailable.

SCALECIDE (THE MISCIBLE OIL SPRAY MATERIAL)—Cures and prevents San Jose scale. One of the best dormant sprays; easy to apply; not poison. By freight only. Qt., **60c**; gal., **$1.40**; 5 gal., **$6.25**; 2 5-gal. cans, **$10.60**; 15-gallon drum, **$13.50.**

SULPHUR POWDERED—Will prevent and cure mildew; should be used on all roses in the spring; apply dry. By freight: Lb., **25c**; 10 lbs., **$1.50**; 30 lbs., **$3.25.** By Parcel post, lb., **35c.**

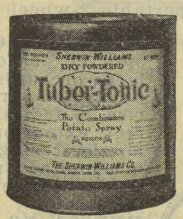
ATOMIC SULPHUR—A form of home boiled lime sulphur in paste form, controls scab and brown rot on peach, plum and apple. If your peach crop suffers from brown rot you can control it with Atomic Sulphur. Ask for descriptive circular on this new and satisfactory preparation. Price: 1-lb. bottles enough for 12 gallons of water, lb., **45c**; 5-lb. keg, **$1.25**; 10-lb. keg, **$2.25**; 25-lb. keg, **$4.50**; F. O. B. Memphis. By parcel post: 1 lb., **55c**; 5-lb. keg, **$1.50.**

DRITOMIC SULPHUR—Combines the excellent qualities of atomic sulphur in dry powdered form. It is easy to handle and ready to mix and can be used with arsenate of lead with a small amount of lime added. Always use Kayso as a binder when using Dritomic or Atomic Sulphur. the Kayso makes the material stick. The use of Dritomic Sulphur will prevent all fungus troubles, bitter and brown rot, scab, etc. Full directions and circulars on request. Price: 1-lb. package, **35c**; 4-lb. package, **$1.00**; 100 lbs., **$18.00.** By parcel post: 1 lb., **45c**; 4-lb. package, **$1.20.**

TREE TANGLEFOOT — Used as a band on all kinds of trees; will prevent any kind of insects on them. This is one of the most effective treatments for insect troubles. By freight: Lb., **50c**; 3 lbs., **$1.45**; 5 lbs., **$2.25.** Parcel post: Lb. **60c**; 3 lbs., **$1.55**; 5 lbs., **$2.40.**

THRIP JUICE—A sure shot against aphis, lice and all sucking insects; not poisonous. ½ pt., **35c**; pt., **50c.** Not mailable.

TOBACCO DUST—Especially desirable for use against lice and sucking insects. By freight: Lb., **15c**; 10 lbs., **$1.00**; 25 lbs., **$2.00.** By parcel post: Lb., **25c.**

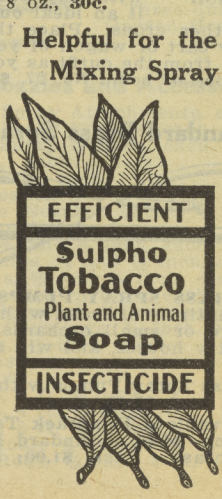


TUBER TONIC—A new preparation especially made to kill potato beetle and at the same time act as a tonic for the plant. Lb., **50c**; 5 lbs., **$2.25.** Not mailable.

LUBRICATING EMULSION — For dormant spray it has no equal; use three gallons of the Emulsion to 97 gallons of water. Sold in barrel lots only, 50 gallons, price, **$25.00** per barrel. F.O.B. Memphis.

SULPHO TOBACCO SOAP—Kills all insects on plants; simple and effective. By freight: 3-oz. cake, **10c**; 8-oz., **25c.** Parcel post: 3-oz. cake, **15c**; 8 oz., **30c.**

Helpful for the Amateur in Mixing Spray Materials



A 1 to 100 Solution is Made as Follows:

1 teaspoonful to a tumbler of water.

2 teaspoonfuls to a pint of water.

4 tablespoonfuls to a gallon of water.

1 pint to 12 gallons of water.

2 quarts to 50 gallons of water.

RUSSELL-HECKLE'S SPRAY PUMPS

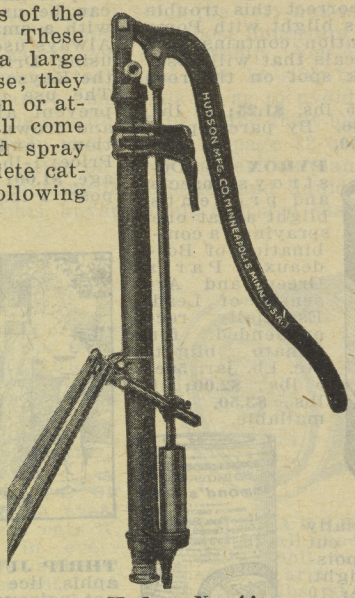
Barrel or Orchard Spray Pumps

We have several styles of the barrel or orchard outfits. These are capable of doing a large amount of work with ease; they can be used from a wagon or attached to a drag, and all come complete with hose and spray nozzles. Send for complete catalogs on any of the following sprayers:

MYERS NO. R305B—Orchard Pump, complete barrel sprayer, hose agitator and nozzle. Price, without barrel, **$13.50.**

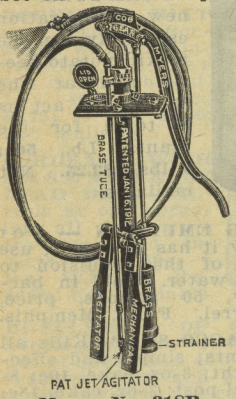
MYERS NO. R318B—Orchard Pump: extra heavy barrel sprayer: hose nozzle and agitator. Price of pump complete without the barrel, **$14.50.**

MYERS NO. R318B—Barrel sprayer with steel wheel cart, all set up ready to use; barrel holds 50 gallons. Price, **$32.50.**



Hudson No. 4A

PARAGON NO. 4 SPRAYER—A 28-gallon barrel sprayer, mounted and on a two-wheel iron truck, complete in every way; especially adapted for whitewashing, also tree spraying; a very handy outfit. Price No. 4 Paragon Pump set on barrel and portable 2-wheel truck, **$27.00.**



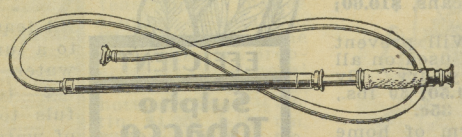
Myers No. 318B

PARAGON NO. 5 SPRAYER—This sprayer, especially designed for large orchards, has solid cast brass pump and large air chamber, carries 25 feet special spray hose, 10 feet extension pipe, 1 three-way nozzle, 1 single nozzle, and pump is mounted on good heavy barrel. Price, complete, **$28.50.**

HUDSON NO. 4A—Can be used in connection with any barrel. It is neat, compact, adjustable, durable and efficient. Price of pump only, with agitator hose and nozzle, no barrel. **Each, $13.00**

HUDSON SPRAY BOOM NO. 27—Equipped with four nozzles adjustable for rows 32 to 42 inches apart; can be used in connection with any barrel sprayer, making it an ideal outfit for spraying cotton fields or other crops. Place the barrel with boom attached in any cart or wagon of your own; you can get as good results from the outfit as you can from a higher priced one. Price of boom No. 27, **$12.50.**

Standard Brass Spray Pump



STANDARD BRASS SPRAY PUMPS—A pump gun style sprayer, made entirely of brass, with different nozzles; you can spray large or small orchards, potatoes or garden crops and poultry houses, and will also spray whitewash satisfactorily.

Standard Brass Spray Pumps with three nozzles: Each, **$5.00;** by parcel post, **$5.40.**

Standard Galvanized Knapsack Tank: Each, **$4.00;** by parcel post, each, **$4.40.** Standard Potato Extension Attachment, all brass. Each, **$1.00;** by parcel post, each, **$1.10.**

Portable Sprayers

MYERS PORTABLE SPRAYERS—Capacity 12½ gallons; tank made of heavy galvanized iron, equipped with portable wheel-barrow frame; has cog gear spray pump, agitator with 15 feet hose connection. Vermorel nozzle and 8-ft. pipe extension; this is a handy equipment, fully guaranteed. Price, complete, **$22.50.**

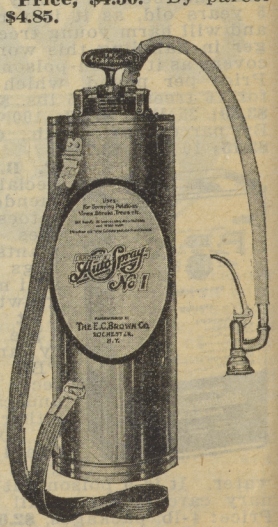
PARAGON SPRAYER NO. 3—Capacity 12 gallons; one of the most popular outfits. Strong, simple and durable; will whitewash and spray all material satisfactorily. **Equipment,** 10 ft special spray hose, 1½ ft extension pipe, mist nozzle, steel cap and straight spray. The material is strained in the outfit before it goes into the pump, avoiding clogging **Price,** complete, **$20.00.**

IDEAL PORTABLE SPRAYER—Equipment, tank 12 gallons, portable, attached to an iron wheelbarrow frame with wheel: 10 feet ⅜-inch pressure hose: 10 feet pipe extension: 1 T shut-off cock; 1 nozzle. Weight 65 lbs. **Price, $23.00. Price,** with air tank, **$31.00.**

Compressed Air Sprayers

NO. 110—PERFECTION SPRAYER—Tank holds 4 gallons. Unexcelled for Whitewash, Water, Paints, Insecticides. Two styles: No. 110G, galvanized tank, **$6.00;** by parcel post, **$6.75.** No. 110B brass tank, **$9.00;** by parcel post, **$9.45.**

NO. 140—HUDSON JUNIOR—The Hudson Junior Sprayer is made for the man who needs a high pressure compressed air sprayer smaller than the Perfection 110. It will do any work the larger models can, for it differs from them only in capacity. Tank is galvanized and holds about 2½ gallons. **Price, $4.50.** By parcel post, **$4.85.**



NO. 1B—Auto Sprayer, brass tank, with auto pop. **Each, $9.00.** By parcel post, **$9.40.**

NO. 1D—Auto Sprayer, galvanized tank, with auto pop. **Each, $6.50.** By parcel post, **$6.85.**

NO. 1C—Auto Sprayer, galvanized tank with stop cock. Each, **$6.00.** By parcel post, **$6.40.**

NO. 296—Meyers Compressed Air Sprayer, galvanized tank. **Each, $6.00.** By parcel post, **$6.40.**

RUSSELL-HECKLE'S SPRAY PUMPS

Knapsack Spray Pumps

No. 5—Auto Brass Spray Pump—A double-acting general purpose bucket and barrel pump, made entirely of brass. Can be used in the garden or orchard. **Each, $5.00;** by parcel post, **$5.40.** Auto Knapsack Tank for No. 5 Pump, **each, $4.00;** by parcel post, **$4.50.** Auto Extension Elbow for No. 5 Sprayer, **each, 60c;** by parcel post, **70c.**

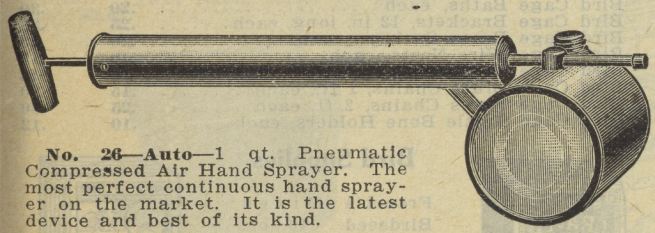
No. 330—Myers—Galvanized Knapsack Sprayer. **Each, $12.50.**

No. 331—Myers—Brass Tank Knapsack Sprayer: **Each, $17.50.**

Compressed Air Hand Sprayers

These make a continuous spray; easier to operate than the regular pump style.

No. 280 Utility Compressed Air Sprayer—Holds 1½ gallons; just as effective as the larger sizes; can be used indefinitely without tiring the operator; excellent for all general spraying. **Price** 1½-gallon sprayer, **$3.50;** by parcel post, **$3.85.**

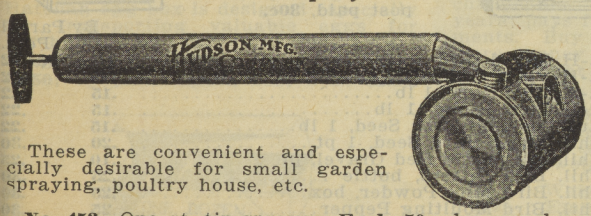


No. 26—Auto—1 qt. Pneumatic Compressed Air Hand Sprayer. The most perfect continuous hand sprayer on the market. It is the latest device and best of its kind.

No. 26A—Auto—1 qt., tin pump and tank, **$1.00;** by parcel post, **$1.25.**

No. 26C—Auto—1 qt., tin pump, with brass tank, **$1.25;** by parcel post, **$1.50.**

Hand Sprayers



These are convenient and especially desirable for small garden spraying, poultry house, etc.

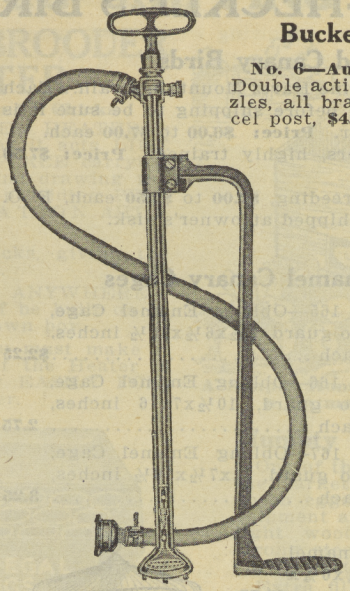
No. 452—One qt. tin sprayer: **Each, 50c;** by parcel post, **75c.**

No. 452G—One qt. sprayer with galvanized tank. **Each, 75c;** by parcel post, **$1.00.**

No. 530—Crescent one quart Glass Jar Sprayer: **Each, 75c;** by parcel post, **$1.00.**

No. 202—One pint Tin Sprayer: **Each, 40c;** by parcel post, **55c.**

Bucket Spray Pumps



No. 6—Auto—Bucket Spray Pump. Double action; furnished with 3 nozzles, all brass. **Price, $4.50;** by parcel post, **$4.85.**

No. 325—Myers—Bucket Pump. Makes fine or coarse spray; all brass; provided with a good air chamber. **Price, $4.00;** by parcel post, **$4.35.**

No. 211—Hays—Bucket Pump. Has a large air chamber; a good serviceable outfit. **Price, $3.50;** by parcel post, **$3.80.**

No. R324—Myers Spray Pump—This is a combination bucket and barrel spray pump; can be used either way; it has cog gear handle with large cylinder, making it easy to operate. **Price** with vermorel nozzle, **$7.50. Price:** With 8-ft. pipe extension, **$8.50** F. O. B. Memphis.

Dry Powder Sprayers

Hand Insect Powder Gun—Each, 25c; by parcel post, **30c.**

Hand Insect Gun

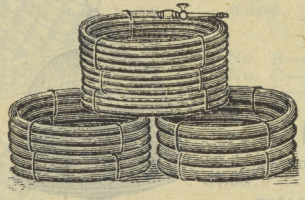
No. 661—Hudson Dry Powder Sprayer—Useful for applying any dry material, such as Slug Shot, Bug Death, Arsenate of Lead, Calcium Arsenate, etc. Made of heavy tin; capacity about 14 oz. **Price,** each, **75c;** parcel post, **$1.00.**

No. 131—Lowell—Dry Powder Sprayer. **Each, 75c;** by parcel post, **$1.00.**

Model B, Feeny—Dry Powder Sprayer. **Each, $1.25;** by parcel post, **$1.35.**

Niagara Dry Powder Sprayer—Will handle any dry powder chemicals; can be used in gardens, on shrubs, roses, etc. **Price, each, $2.00;** by parcel post, **$2.20.**

Spray Hose



We carry the best quality pure rubber hose, which is cut in lengths to suit. Prices as follows:

Three-eighths inch 5-ply Spray Hose, **Per foot, 20c.**

One-half inch 5-ply Spray Hose. **Per foot, 20c.**

Five-eighths inch 3-ply Garden Hose, 50 feet, **$6.00.**

Three-quarter inch 5-ply Garden Hose, 50 feet, **$7.00.**

Postage 2c per foot extra.

Spray Nozzles and Accessories

		Parcel Post
No. 178—Two Row Spray Attachments, each	**$2.25**	**$2.45**
No. 2097—Bordeaux Spray Nozzles, each	**.90**	**1.00**
No. 1290—Vermorel Spray Nozzles, each	**.75**	**.90**
No. 176—Perfection, each	**1.50**	**1.60**
No. 1878—Myers' Nozzle, each	**1.35**	**1.50**
No. 166—Fog Nozzles, each	**.75**	**.85**
No. 168—Fog Angle Nozzles, each	**.75**	**.85**
No. 1290—Fembro Nozzles, each	**.60**	**.70**
Brass Shutoff Cock, ⅜ and ½ inch, each	**1.00**	**1.10**
Galvanized Hose Clamps, ⅜ and ½ inch, each	**.10**	**.12**
Brass Hose Couplings, ⅜ and ½ inch, each	**.40**	**.45**
Brass Hose Couplings, extra long, each	**.35**	**.40**
Perfect Clinch Hose Menders, ¾-inch, each	**.15**	**.20**
Perfect Clinch Hose Couplings, ¾-inch, set	**.35**	**.40**
Stayon Hose Clamps, ½-inch, each	**.30**	**.35**
Leather Plunger Washers, each	**.10**	**.12**
Rubber Gaskets, each	**.15**	**.18**
Iron Extension Rods, 2 ft. ⅜-inch	**.40**	**.50**
Iron Extension Rods, 4 ft. ⅜-inch*	**.80**	
Iron Extension Rods, 8 ft. ⅜-inch*	**1.60**	
Bamboo Extension Rods, ⅜-inch 6 ft.*	**3.60**	
Bamboo Extension Rods, ⅜-inch 8 ft.*	**3.90**	

*Not mallable.

RUSSELL-HECKLE'S BIRD CAGES AND SUPPLIES

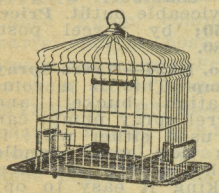
Imported Canary Birds

Our birds are the genuine Hartz Mountain strain. Each one is thoroughly tested before shipping to be sure it is a No. 1 guaranteed singer. **Price: $6.00** to **$7.00** each.

St. Andreasburg Rollers, highly trained. **Price: $7.50** to **$10.00** each.

Female canaries for breeding, **$2.00** to **$2.50** each, F. O. B. Memphis. All birds shipped at owner's risk.

Japanned Enamel Canary Cages



No. 165—Oblong

No. 165—Oblong Enamel Cage, no guard, 9½x6½x15½ inches, each $2.25

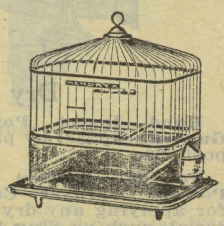
No. 166—Oblong Enamel Cage, no guard, 10½x7x16 inches, each 2.75

No. 167—Oblong Enamel Cage, no guard, 11x7½x16½ inches, each 3.25

No. 265—Special Enamel Cages, with guard, 9¾x6¼x12⅝ inches, each..... $2.75

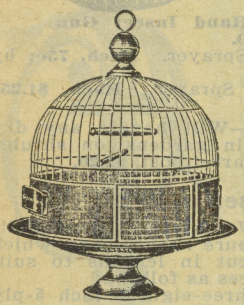
No. 266—Special Enamel Cages, with guard, 10⅛x6⅞x13⅝ inches, each..... 3.25

No. 267—Special Enamel Cages, with guard, 11x7½x14½ inches, each..... 4.00



No. 265—Special

Round Brass Cages



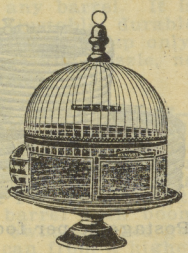
No. 274—Round Brass Cage

No. 274—Round Brass, 10x16, with Seed Guard..... $5.00

No. 275—Round Brass, 11x16½, with Seed Guard.... 5.50

No. 276—Round Brass, 11 9-16x18, each 6.50

Round Enamel

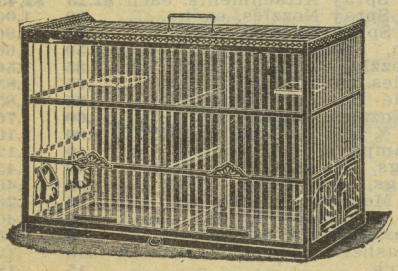


No. 6—Round Enamel Cage

No. 6 —Round, 10 in. diameter, 16½ in. high, each..... $3.75

No. 6½—Round, 11 in. diameter, 17½ in. high, each..... 4.25

No. 7 —Round, 12 in. diameter, 18 in. high, each..... 4.75



No. 86—Metal Breeding Cage

Metal Breeding Cages

Absolutely vermin proof, complete with solid and wire partitions, metal drawer and solid back, four glass cups, six perches and two nests.

No. 86S—17¼x8¼x13¼, each..... $4.50

No. 86—20x10x14, each 5.50

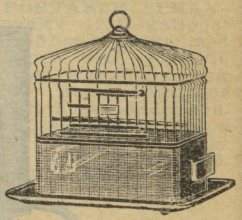
No. 87—22x11x15¾, each 6.50

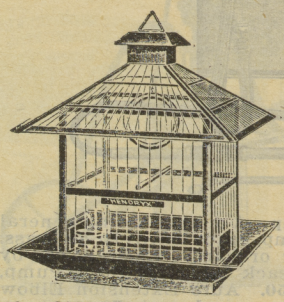
By parcel post, 45c each extra.

Oblong Brass Canary Cages

All supplied with draw bottom for cleaning, and also have brass guard to prevent birds from throwing seed on the floor of room.

No. 5000DB — Oblong Brass Cage, with seed guard, 9⅝x6½ inches, each..... $4.50





No. 8020—Brass Bungalow Cage

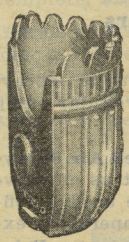
No. 5006DB—Oblong Brass Cage, with seed guard, 10⅜x7⅛ inches, each $5.50

No. 5008DB—Oblong Brass Cage, with seed guard 10¾ x 7¼ inches, each 6.50

No. 5010DB—Oblong Brass Cage, with seed guard, 13x8½ inches, each 7.50

No. 8020—Bungalow style, Brass Guard, each 12.50

Bird Cage Accessories



No. 0 Cage Cup

No. 1904 Cage Cup

Brass Cage Spring

	By Parcel Post.
No. 1904—Bird Cage Cups, glass, each.....	$ .15 $ .20
No. 0—Bird Cage Cup, opal, each.....	.15 .20
Bird Cage Baths, each	.20 .30
Bird Cage Brackets, 12 in. long, each.....	.25 .35
Bird Cage Brass Springs, each.....	.20 .25
Bird Cage Wire Nests, each.....	.10 .15
Bird Cage Nesting Hair, pkg.....	.10 .12
Bird Cage Brass Chains, 1 ft., each.....	.15 .20
Bird Cage Brass Chains, 2 ft. each.....	.25 .30
Bird Cage Cuttle Bone Holders, each.....	.10 .12

Bird Supplies

French's Mixed Birdseed. 10 oz. carton, **15c**; post paid, **25c.**

French's Bird Biscuit, each, **10c.**

French's Bird Gravel, pint, **15c**, post paid, **30c.**

	By Parcel Post.
R-H Mixed Bird Seed, 1 lb.....	$ .15 $ .22
R-H Plain Canary, 1 lb.....	.15 .22
R-H Bird Rape, 1 lb.....	.15 .22
R-H Bird Hemp, 1 lb.....	.15 .22
Russian Sunflower Seed, 1 lb.....	.15 .22
Phil. Mixed Bird Seed, 1 pt.....	.20 .30
Phil. Silver and Red Gravel, pt.	.10 .25
Phil. Bird Bitters, bottle	.25 .30
Phil. Bird Mite Powder, box.....	.25 .30
Phil. Bird Moulting Pepper.....	.25 .30
Phil. Bird Nestling Food	.25 .30
Cuttle Fish Bone, large	.10 .12
Phil. Bird Manna, each.....	.15 .20
Medicated Birdseed Tonic	.15 .20
Gunning's Bird Tonic.....	.50 .60

Gold Fish Food

Wafer Fish Food, box..... $ .15

RUSSELL-HECKLE'S EGG SHIPPING BOXES

PUTNAM BROODER HEATER

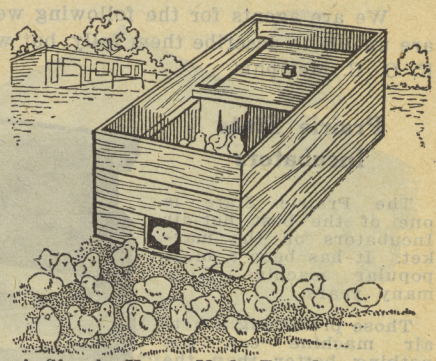
Capacity 40 to 50 Chicks

Putnam BROODER HEATER is so constructed that it acts LIKE AN OPEN FIRE PLACE carrying the foul air out and drawing the fresh air in, thus providing PERFECT VENTILATION AUTOMATICALLY.

Heat is radiated from ABOVE onto the backs of chicks, giving the natural and soothing effect OF THE HEN—without the lice.

Putnam HOME MADE BROODER CAN BE OPERATED ANYWHERE—in a sunny room in a house, an open shed, or, if the roof be built on it, out of doors; can be CARRIED ANYWHERE by a half-grown boy.

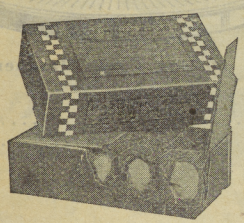
The Putnam Home Made Brooder is not for sale. You must make it yourself. The Brooder-Heater only is sold. The price of the Heater is **$4.75** postpaid. Every Brooder-Heater is accompanied by EASILY FOLLOWED DIRECTIONS for building the Home Made Brooder.



A Simple Home Made Brooder with a a Putman Brooder Heater

The Little Putnam Stove

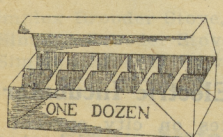
Keep drinking water from freezing. Water kept at a proper temperature is a big help in getting winter eggs. This little stove makes it easy to supply your fowls with water at just the right temperature all through winter. Set an ordinary fountain or water dish on this stove and it will keep the water from freezing. Absolutely safe, for if it becomes buried in the litter or is tipped over it will go out. Costs only 20c to 30c for oil to run an entire winter. **Price,** Each, **$2.50;** by parcel post, **$2.65.**



Hatchan Egg Box

Made with large cells to facilitate extra wrapping, double walled corrugated on all sides, protection division boards; easy and quick to pack; a most attractive and safe package. The Hatchan egg box is designed especially for transporting valuable eggs for hatching.

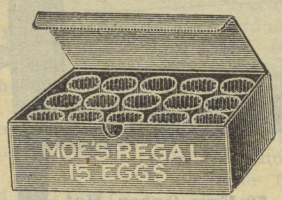
No. 3—15-egg size: Each, **25c;** doz., **$2.50;** by parcel post, **30c;** doz., **$2.80.**



Cardboard Egg Cartons

These are intended for delivering eggs to consumers. Hold one dozen each; has two rows, six eggs each.

Doz., **20c;** 100, **$1.50;** 1,000, **$12.00;** by parcel post, Doz., **30c;** 100, **$1.80.**



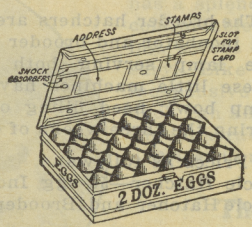
Moe's Regal Egg Boxes

Every egg in a separate cardboard tube protected by a heavy outside corrugated cardboard box. One of the strongest shipping boxes for sitting eggs on the market.

No. 14—15-egg size: Each, **25c;** by parcel post, **30c.**

No. 15—30-egg size: Each, **40c;** by parcel post, **50c.**

No. 16—50-egg size: Each, **50c;** by parcel post, **65c.**



Metal Edge Filler

Aluminized Metal Egg Crates

Indestructible; made for interchangeable shipments: lasts for years; pays for itself in a few shipments. Buy yours now and realize more money for your eggs. Your friends want them. Thousands now in daily use.

The Metal Edge Filler is a wonder. A new invention and cannot be beat for safety carrying eggs by mail. Light in weight and very strong.

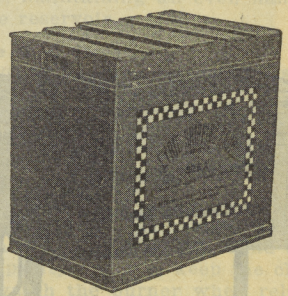
Size	Weight Empty	By Parcel Price	Post
1½-doz.—	3 lbs.	**$1.25**	**$1.32**
2 -doz.—	3 lbs.	**1.50**	**1.57**
3 -doz.—	4 lbs.	**1.75**	**1.83**
4 -doz.—	5 lbs.	**2.00**	**2.09**
6 -doz.—	6 lbs.	**2.50**	**2.60**

The above parcel post rates apply within the 2nd zone (150 miles).

Humpty Dumpty Egg Carrier

One of the handiest egg carriers on the market. This carrier will hold 12 dozen eggs. Can be folded flat for shipment and is made of strong but light wooden slats fastened with strong steel wires. **Prices: 90c;** by parcel post, **$1.10.**

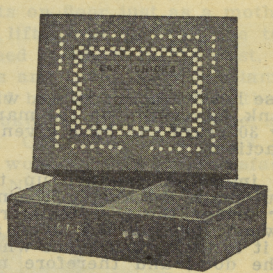
Extra fillers and flats: **50c** a set; by parcel post, **60c.**



Eyrie Shipping Coops

Light in weight, but strong and durable. Ends and sides heavy corrugated cardboard. Top and bottom wood.

	Express	Parcel Post
No. B—3-bird size, each..	**$ .65**	**$ .80**
No. C—4-bird size, eanh..	**.85**	**1.00**
No. D—5-bird size, each..	**.90**	**1.10**
No. E—6-bird size, each..	**1.00**	**1.20**



Baby Chick Shipping Boxes

Made from corrugated paper with solid wood bottom and slatted wooden top. Strong, yet light in weight. For shipment it is folded flat, but can easily be set up and made ready for use.

25-chick size: Each, **20c;** parcel post, **35c.**

50-chick size: Each, **30c;** parcel post, **45c.**

100-chick size: Each, **40c;** parcel post, **55c.**

R.-H. CO'S. INCUBATORS AND BROODERS

We are agents for the following well-known machines. Send for special catalogs. Owing to limited space, we are unable to describe them fully, but will send full catalogs and circulars on request. Prices quoted are all F. O. B. Memphis.

Prairie State Incubators

The Prairie State is one of the best hot-air Incubators on the market. It has been a most popular machine for many years.

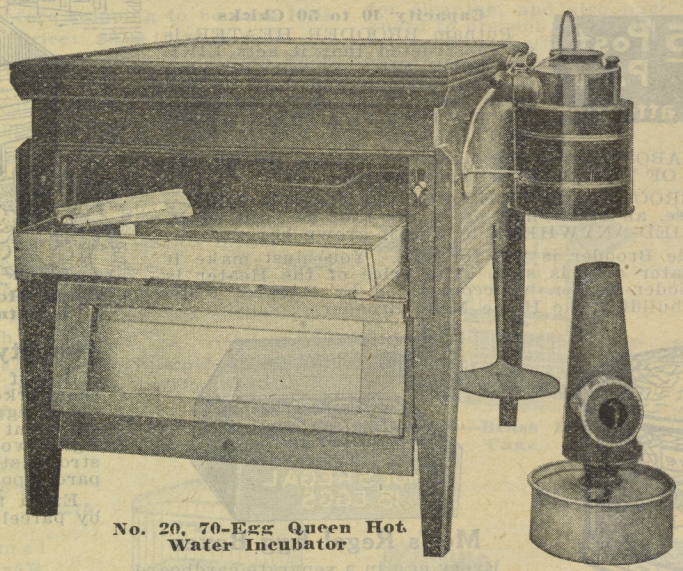
Those preferring a hot-air machine can get nothing better than the Prairie State. Ask for a complete descriptive catalog.

No. 0—Standard—Capacity 100 Eggs.....**$30.00**

No. 1—Standard—Capacity 150 Eggs.....**$37.50**

No. 2—Standard—Capacity 240 Eggs.....**$52.50**

No. 3—Standard—Capacity 390 Eggs.....**$67.50**



No. 20, 70-Egg Queen Hot Water Incubator

Queen Incubators

"Queen" Incubators automatic and easiest to operate.

Ask for complete descriptive catalog of Queen Incubators and price list of Queen Incubator repairs.

No. 20—Style K 70-Egg Incubator, each..**$16.50**

No. 21—Style K 130-Egg Incubator, each..**$27.50**

No. 22—Style K 220-Egg Incubator, each..**$36.75**

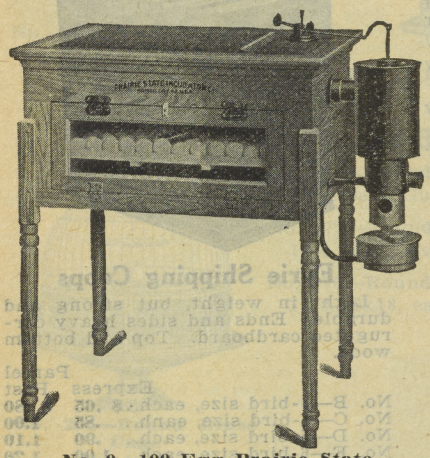
No. 2—Standard 135-Egg Incubator, each..**$37.50**

No. 3—Standard 180-Egg Incubator, each..**$44.50**

No. 4—Standard 275-Egg Incubator, each..**$57.75**

No. 5—Standard 400-Egg Incubator, each..**$68.00**

No. 25—Standard 600-Egg Incubator, each..**$103.00**

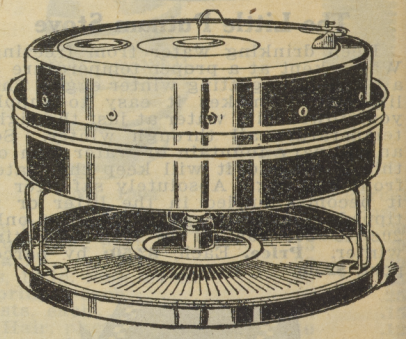


No. 0—100-Egg Prairie State

Cycle Hatcher Metal Mother Incubators

These are simple, safe and practical machines for hatching chicks on natural principles. All metal, and will not warp. They have perfect ventilation and are both easy to heat and regulate.

The brooder hatchers are a practical incubator and brooder combined, one lamp serving both purposes. These little machines have a large lamp bowl; need filling only twice during the three weeks of operation.



50-Egg Cycle Hatcher

Prices as follows:

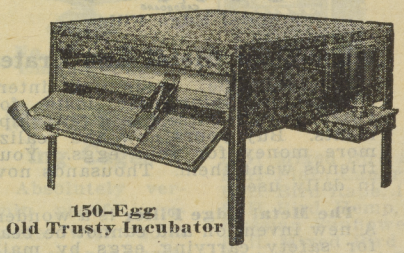
Cycle Hatcher—50-egg Incubator, each.....**$ 9.00**

Cycle Hatcher and Brooder Combined, each.....**11.00**

Famous Old Trusty Incubators and Brooders

These hot water machines, with copper tank, have been on the market for nearly 30 years and have given utmost satisfaction.

The improvements are up to date; the automatic advancing thermometer holder brings the thermometer out to you when opening the door and returns it to the proper place when closing the door, and therefore no more danger of breaking thermometers.



150-Egg Old Trusty Incubator

100 to 120-egg Old Trusty Incubator, each **$19.10**

150 to 175-egg Old Trusty Incubator, each **21.05**

200 to 240-egg Old Trusty Incubator, each **27.25**

Baby Old Trusty Incubator

60-70 Egg—Made of galvanized iron with copper tank and has the Special Thermometer holder; in other words, it is like the larger size Old Trusty Incubator, with exception of the lamp bowl.

Price of Baby Old Trusty Incubator, **$15.20** each, F. O. B. Memphis.

Reed 110-Egg Electric Incubator

The perfect way, operates on city current or farm plants. No oil lamps to fill, no external heat, no smell, fireproof, foolproof, constant automatic temperature regulation.

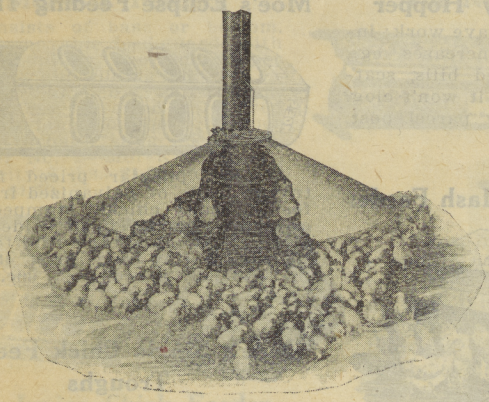
50-egg Reed Electric Incubator, each.....**$10.00**

70-eeg Reed Electric Incubator, each.....**12.00**

100-egg Reed Electric Incubator, each.....**14.00**

200-egg Reed Electric Incubator, each.....**20.00**

RUSSELL-HECKLE'S BROODERS AND HOVERS



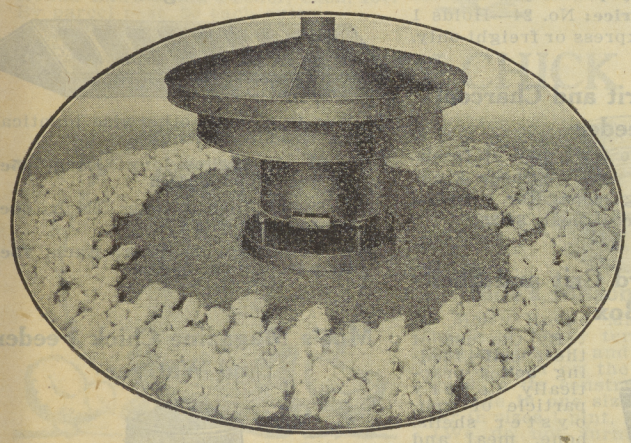
National Coal Burning Brooder

A coal-burning Brooder Stove with an extra heavy fire pot. Will burn either hard or soft coal, as the chimney collar is 5 inches in diameter, equipped with automatic regulator and fully equal to the standard Buckeye Brooders. We guarantee the National Coal-Burning Brooder Stove in every respect.

Burns Any Fuel—Although we consider hard coal most desirable because of its cleanliness, other fuels such as soft coal, coke, briquettes, etc., can be advantageously used, the only difference found being the need of more frequent cleaning of the flue.

Ask for complete descriptive circular. Sold on money-back guarantee. Price, with canopy:

No. A—500-Chick National Brooder.....**$21.50**
No. B—1,000-Chick National Brooder..... **26.50**
No stove pipe furnished. Any 4-inch piping will answer.



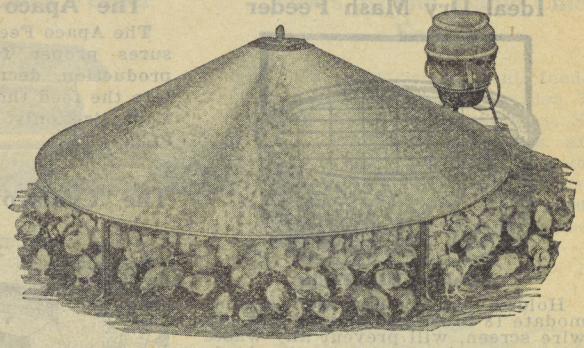
The Simplex Brooder Stove

At last we have an oil burning hover with the safety overflow pipe, that automatically regulates the oil flow; makes no odor, gives uniform heat. The Simplex Stove Brooder is the greatest brooding device ever invented and offered to the public. Made in three sizes. Prices as follows:

Baby Simplex Brooder Stove, 250 chick size, each...**$24.00**
Junior Simplex Brooder Stove, 500 chick size, each.. **30.00**
Senior Simplex Brooder Stove, 1,500 chick size, each **37.50**
F. O. B. Memphis.

Prairie State Junior Portable Hover

Made of galvanized iron; fireproof, portable, ventilated and easy to heat. Can be used indoors or outdoors; can be easily cleaned, as it sits directly on the floor. Supplied with a powerful wafer regulator which controls the temperature. This is the latest brooding device put out by the Prairie Incubator Co. **Price:** Complete.....**$10.00**



National "Blue Flame" Brooder

The "National" Wick-Type Oil-Burning "Blue Flame" Colony Brooder is highly efficient and thoroughly proven. Sold under the same positive guarantee as the National Coal-Burning Brooders.

The "National" Blue Flame Colony Brooder is of the wick-type construction, burns coal oil (kerosene) and is just as simple to operate as an ordinary house lamp. It will not smoke, is odorless and operates without noise. It is free from complicated mechanism, and has no troublesome levers, valves or thermostats. It is self-feeding, safe and durable, maintaining an even flame as long as there is oil in the reservoir.

Made in 3 Sizes

No. 60—34-inch canopy, 200-chick capacity.....**$17.50**
No. 61—42-inch canopy, 350-chick capacity..... **19.00**
No. 62—52-inch canopy, 500-chick capacity..... **22.50**
Ask for complete descriptive circular.

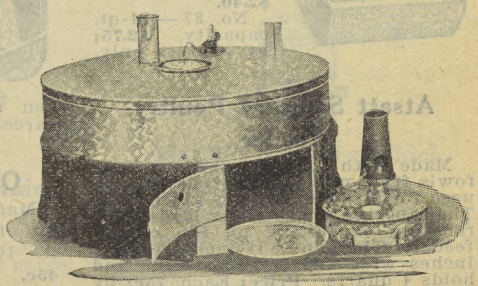
The Home Hover

An ideal hover for 50 chicks or less; nothing to wear out and made of heavy galvanized iron. The round drum has a splendid heating capacity and will keep the chicks comfortable. Carefully watch the burner when relighting, so the flame does not creep up, is all that is necessary. Like any lamp flame, don't turn too high. It is so inexpensive and yet serviceable that no raiser of a small flock can afford to be without one. Buyers of baby chicks should arrange for one when they order their baby chicks.

Price: Complete, **$6.00**; by parcel post, **$6.40**.

The International Sanitary Hover

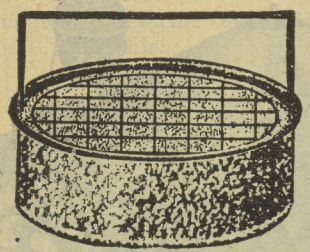
Circular in shape; is made of metal throughout, and fireproof. The Hover sets on floor just as a mother hen does. The lamp can be lifted out through the top and the operator does not need to kneel in the dust. There is no possibility of gases and fumes from the lamp getting into the air breathed by the chicks. The thermometer can be lifted out, looked at and dropped back without moving the Hover. Can also be used as an oat sprouter. It will do the work quickly and satisfactorily. Ask for circulars. Price No. 1, 100-chick size.....**$15.00**



Prairie State Junior Portable Hover

R.-H. CO'S. POULTRY AND CHICK HOPPERS

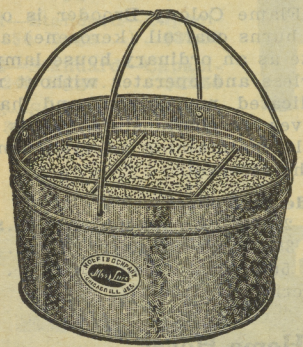
Ideal Dry Mash Feeder



Ideal Dry Mash Feeder

Holds about 12 quarts; will accommodate 18 fowls and, having a heavy wire screen, will prevent any waste whatever; also prevents the birds from eating too fast; a practical and sensible device for any dry mash. **Price: $1.50;** by parcel post, **$1.75.**

Moe's Round Mash Hopper

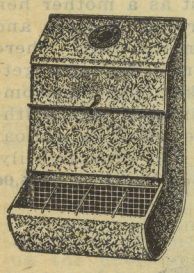


A good, economical Dry Mash Feeder, made of heavy galvanized iron with a capacity of 8 quarts.

Can be fastened with a cord or wire to the ceiling of the poultry house and thus hung up out of the litter at any height desired.

Has a rolled-in edge, and wire grid which rests on the feed and prevents the birds from wasting it. The top wire bales also prevent the chickens from getting in the hopper. **Price:** Each, **75c;** by parcel post, **95c.**

Moe's Never Clog Dry Food Hopper



One of the best hoppers on the market. Does not clog, no matter how coarse the mash is.

No. 35 — 12-qt. capacity, **$1.40;** by parcel post, **$1.80.**

No. 36 — 18-qt. capacity, **$1.90;** by parcel post, **$2.40.**

No. 37 — 24-qt. capacity, **$2.75;** by express only.

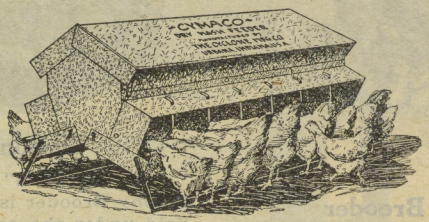
Atsatt Sanitary Poultry Feeder

Made with hinged guard to keep fowls from wasting the feed; can be used for mash or any dry grain feed. The tapering guard keeps birds from roosting or setting on top of the feeder. The pan is 18 inches long, 6 inches wide and 3 inches deep, and holds 4 quarts. **Price:** Each, **75c;** by parcel post, **90c.**

The Apaco Poultry Hopper

The Apaco Feeder will save work; insures proper feeding, increases egg production, decreases feed bills, scatters the feed thoroughly; it won't clog. 8-qt. size only, **$1.00;** by parcel post, **$1.35.**

The "Cymaco" Dry Mash Feeder

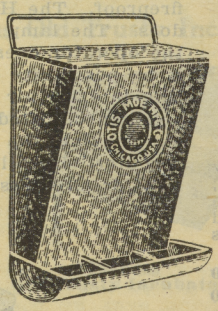


Made entirely of steel and very substantially built. Among its many advantages are the following special features: Its special construction gives it the advantage of extra large capacity, same being about one-half bushel. The "Cymaco" has twice the feeding room afforded by the ordinary feeders, and thus accommodates twice as many fowls at one time. The feed troughs are shedded, making the "Cymaco" serviceable as an outdoor feeder. The "Cymaco" is also equipped with agitators operated automatically by the fowls feeding, which absolutely prevents clogging. **Price:** No. 12—Holds ½ bushel, **$2.25;** by parcel post within 2nd zone, **$2.70. Price:** No. 24—Holds 1 bushel, **$3.50;** by express or freight only.

1-2-3 Shell Grit and Charcoal Feeder

A convenient size for a pen of fowls. It will serve one, two or three kinds of feed by using separator. **Price:** Each, **$1.00;** by parcel post, **$1.25.**

Moe's Standard Grit and Shell Box



By the use of these self-feeding boxes practically every particle of grit, oyster shells, bone, meal and other materials supplied will be properly used, preventing all waste.

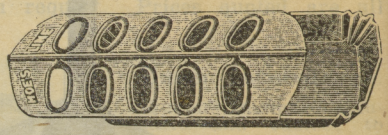
No. 45 — Two compartments, chick size. Each, **40c,** express; **50c,** parcel post.

No. 9 — Three compartments, hen size: Each, **85c,** express; **$1.00,** parcel post.

Oakes' Chick Feed Troughs

Made on a half circle so that every bit of feed can be easily eaten out of it. 10-inch trough, **30c;** by parcel post, **45c.** 20-inch trough, **45c;** by parcel post, **60c.**

Moe's Eclipse Feeding Trough



A new, popular priced feeding trough made of galvanized iron, for feeding baby chicks; stamped from one piece; no rivets or solder used. Sliding top makes them easy to clean. 10-inch, **30c;** by parcel post, **45c.** 20-inch, **45c;** by parcel post, **60c.**

Moe's Single Chick Feeding Troughs

Just the thing for feeding baby chicks; has sliding top, easily cleaned; no sharp edges to injure chicks.

No. 55—12 inches long: Each, **35c;** by parcel post, **45c.**

No. 56—18 inches long: Each, **45c;** by parcel post, **55c.**

No. 57—24 inches long: Each, **60c;** by parcel post, **75c.**

Moe's Double Feeding Chick Troughs

Has two sides, otherwise identical with the single trough.

No. 58—12 inches long: Each, **45c;** by parcel post, **55c.**

No. 59—18 inches long: Each, **60c;** by parcel post, **75c.**

No. 60—24 inches long: Each, **75c;** by parcel post, **90c.**

Moe's Magazine Chick Feeder and Waterer

A new round chick feeder with a magazine or container to hold a good quantity of feed. It can also be used as a drinking fountain, as the magazine is water and air tight.

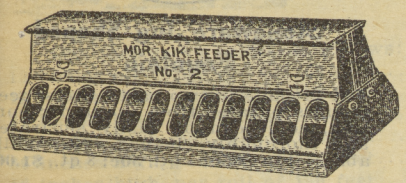
No. 18 — Moe's Magazine Chick Feeder, capacity 2 quarts: Each, **65c;** by parcel post, **80c.**

R.-H. Co's POULTRY AND CHICK HOPPERS

Mor-Kik Feeders

Consists of base or bottom, two removable feed guards with oval openings, two side hopper sections and sliding lid.

The detachable self-feeding hopper can be raised or lowered by loosening four bolts; hopper filled through slide lid at top. **Price:** No. 2—Mor-Kik Feeder, capacity 6 lbs., **$1.25;** by parcel post, **$1.50.**



Junior Chick Feeder

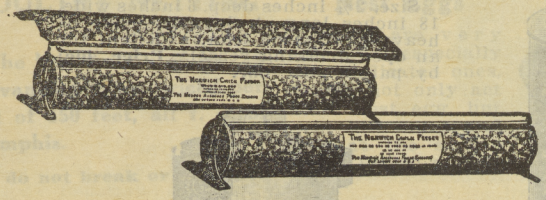
Accessible from both sides. Easily filled and cleaned. **Price:** 10-inch feeder, each, **30c;** by parcel post, **40c;** 20-inch feeder, each, **50c;** by parcel post, **65c.**

Stands for Round Baby Chick Feeders

When used with our No. 11 and 12 round feeders, makes them suitable for growing chicks. Holds the feeders at the proper height up out of the litter.

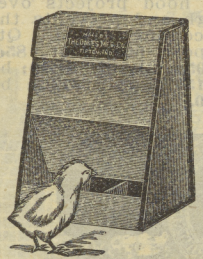
Made of galvanized iron. Height, 1¾ in. No. 143 Stand for Moe's No. 11 Round Baby Chick Feeder, each, **5c.** No. 144 Stand for Moe's No. 12 Round Baby Chick Feeder, each, **10c.** By parcel post, **5c** each extra.

The Norwich Chick Feeder



Convex in shape; impossible for the chicks to waste or scatter feed and the center rod prevents the chicks from getting into the feeder or to permit them to stand on it. Here is a device that any pollution or wasting is absolutely avoided; made with or without rain guard. The feeder with rain guard can be used outdoors to better advantage. **Price:** Without rain top, **75c;** by parcel post, **95c.** With rain guard, **$1.00;** by parcel post, **$1.25.**

Oakes' Grit and Shell Boxes

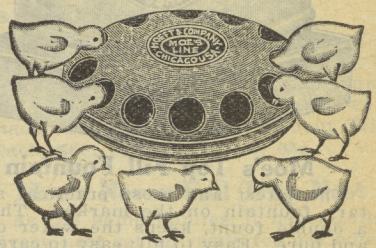


Chicks should have grit, oyster shell and charcoal always before them, and for this purpose our Chick Grit and Shell Box is indispensable. It is made of galvanized steel with three compartments.

Chick size: **75c;** parcel post, **90c.**

Moe's Round Baby Chick Feeder

The most convenient feeder on the market. Can also be used for water. Two sizes, No. 11, 6 inches with 6 holes, and No. 12, 8¼ inches with 12 holes. **Price:** No. 11, **20c,** by express; **30c,** by parcel post. No. 12, **30c,** by express; **40c,** by parcel post.

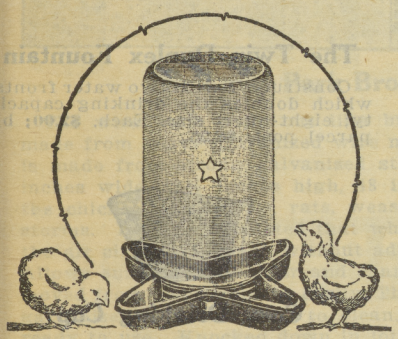


Moe's Round Baby Chick Feeder

Atsatt's Chick Feeder

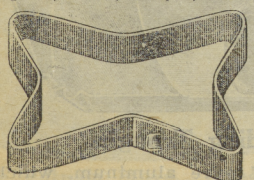
"They cannot get into it." Therefore clean food. The top removes easily for cleaning. Springs back into place. Can be used for either wet or dry feed or for water. Can not rust. Size 10 in. long, 4 in. wide. Just the thing for your brooder. **Price: 30c;** by parcel post, **40c.**

R.-H. Co's BABY CHICK DRINKING FOUNTAINS

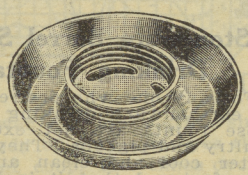


Star Chick Fountain

No parts to come unsoldered. Leaking impossible. Will fit pint, quart or half-gallon Mason jar. Convenient, cheap and sanitary. One size only. Price of holder without jar. No. 32, each, **15c;** 2, **25c.** By parcel post, each, **20c;** 2, **35c.**



Stand for Star No. 32 Chick Fountain



Moe's Mason Jar Fountain

Moe's Round Mason Jar Fountains, made of heavy terne plate, a rust resisting metal, and the finest fountain of its kind on the market. No solder used in its construction.

Made in one size and fits any mason jar in sizes 1 pint, 1 quart, and 2 quarts. (We do not furnish the glass jars.) **Price;** Each **15c;** by parcel post, **20c.**

Oakes' Feeder and Fountain

A galvanized pan made to hold any mason fruit jar. Can be used either for feed or water. We do not furnish jars. **Price:** Each, **15c;** 2, **25c;** by parcel post, each, **20c;** 2, **35c.**

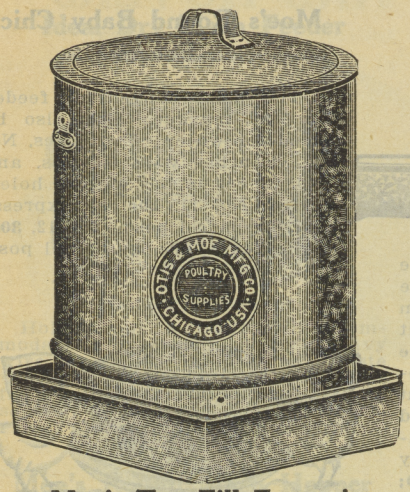
Sy-Fon Jar Fountain

The only Syphon Fountain, fits any Mason jar, snaps on and off instantly; does away with the bothersome method of screwing on jar, nothing to break or get out of order. Sanitary, safe, strong and simple. Made of Terne Plate Metal. **Price:** Each, **10c;** 4 for **35c;** by parcel post, each, **15c;** 4 for **45c.**

Atsatt's Sanitary Chick Drinking Fountain

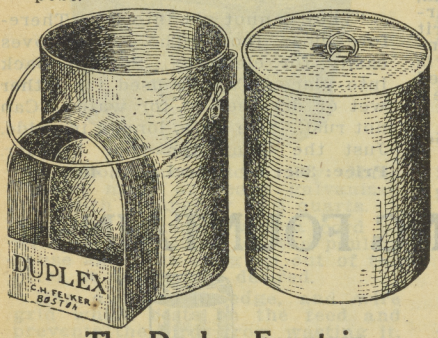
Will go in any brooder; easy to clean; will not upset; not injured by freezing. Qt. size only, **35c,** express; by parcel post, **45c.**

R.-H. CO'S. POULTRY DRINKING FOUNTAINS



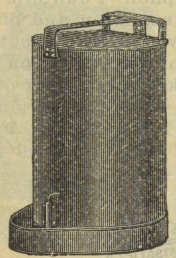
Moe's Top Fill Fountain

The latest and most practical sanitary fountain on the market. This is a double fount, keeps the water clean and pure. Easy to fill; easy to care for. Gal., **$1.75,** by express; **$2.00,** by parcel post.
2 gal., **$2.40,** by express; **$2.80,** by parcel post.
4 gal., **$3.25,** by express; **$3.70,** by parcel post.

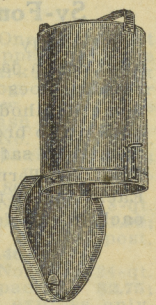


The Duplex Fountain

The latest and most practical sanitary fountain on the market. This is a double fount, keeps the water clean and pure. Easy to fill, easy to care for. 4 qt., **$1.25;** 8 qt., **$1.75;** by parcel post, 4 qt., **$1.50;** 8 qt. **$2.10.**



Showing Fountain Closed



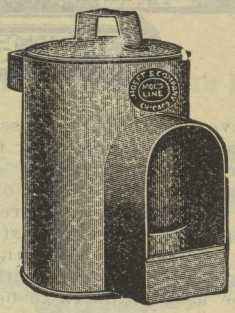
Showing Drop Bottom, Advantage in Cleaning

Oake's Improved Drop Bottom Fountain

Easily cleaned. Convenient and well made. A new style fountain that will please.
½ gal. size, **90c;** by parcel post, **$1.00;** 1 gal. size, **$1.25;** parcel post, **$1.50;** 2 gal. size, **$1.50;** parcel post, **$1.90;** 4 gal. size, **$2.25;** parcel post, **$2.75.**

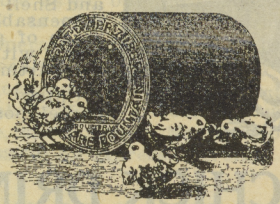
Flat or Open Feed Pan

Size, 2¾ inches deep, 6 inches wide, 18 inches long. A flat pan made of heavy galvanized iron; excellent for an open drinking vessel. **Price, 40c;** by parcel post, **55c.**



Wall or Hub Fountains

Are made of the best galvanized iron and will last many years with the proper treatment. It can be hung on wall of a building or against an upright post or board at any height. A hood projects over the water trough and prevents the water from becoming soiled. Qt., **50c;** by parcel post, **60c;** 2 qt., **85c;** by parcel post, **95c;** 3½ qt., **$1.00;** by parcel post, **$1.15;** 2 gal., **$1.35;** by parcel post, **$1.60.**



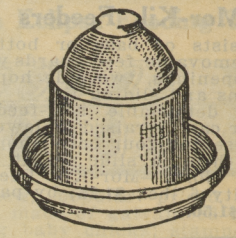
Stoneware Barrel Shaped Drinking Fountain

Stoneware Barrel Shaped Drinking Fountain

For any one who desires a crock or earthenware drinking fountain, these founts are not excelled for poultry and pigeons. They keep the water cool and clean and are so manufactured that it is impossible for chicks to get wet or drown while using them. They are easily filled, never tip over and never get out of order. By freight or express only; cannot be mailed. **Price:** 1 gal. size, **90c;** 2 gal. size, **$1.50.**

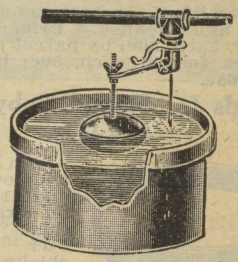
Poultry Milk Troughs

This trough is designed for feeding of milk to poultry. No. 2—5 pint size, **40c;** by parcel post, **55c.**



Stoneware Jug Shaped Fountain

It is made in two parts, the saucer being separated from the upper portion, so it can be easily separated and thoroughly cleaned. Not mailable. 1 pt., **35c;** 1 qt., **50c;** 8 qt., **$1.00.**

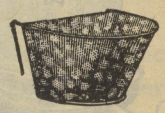


Moe's Automatic Poultry Drinking Fountains

Can be attached to iron pipe, barrel or tank; insures a continuous supply of fresh water without waste. The automatic valve and float is entirely of brass, nickel finish with nothing to rust or clog up. **Price:** Complete with pan, **$1.25;** by parcel post, **$1.40;** without pan, **90c;** parcel post, **$1.00.**

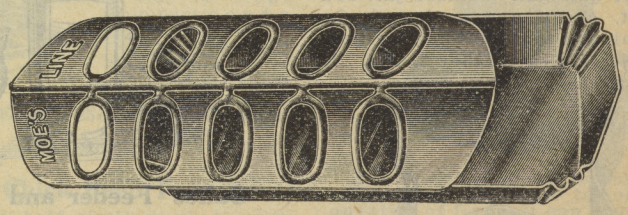
The Twin Duplex Fountain

Constructed with two water fronts, which doubles the drinking capacity; eight-quart size. Each, **$2.00;** by parcel post, **$2.25.**



Coop Drinking Cup

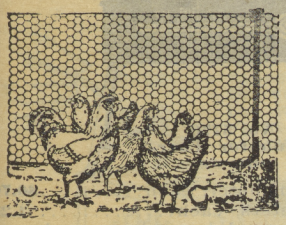
Used for mating or exhibition coops. Each, **15c;** 12, **$1.80;** parcel post, each, **20c.**



Moe's Aluminum Feeding Troughs

Buttermilk Feeding Troughs, made of pure aluminum, which is not affected by the acids of milk and similiar feeds. No. 69—10 inch: Each, **50c;** by parcel post, **60c.** No. 70—20 inch: Each, **90c;** by parcel post, **$1.05.**

R.-H. Co's POULTRY WIRE, BROOD COOPS, ETC.



POULTRY NETTING

The best grades of No. 19 Galvanized Wire, priced per roll of 150 feet, all f. o. b. Memphis.

We do not break or cut rolls

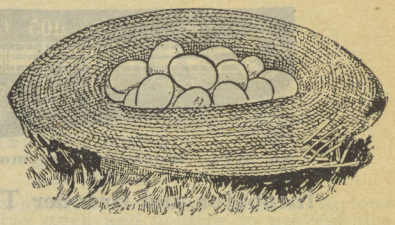
One inch mesh prices as follows:

12 inches high, per roll of 150 feet	$3.35
18 inches high, per roll of 150 feet	4.85
24 inches high, per roll of 150 feet	6.20
30 inches high, per roll of 150 feet	7.30
36 inches high, per roll of 150 feet	8.40
48 inches high, per roll of 150 feet	10.90

Two inch mesh prices as follows:

12 inches high, per roll of 150 feet	$1.50
18 inches high, per roll of 150 feet	2.10
24 inches high, per roll of 150 feet	2.65
30 inches high, per roll of 150 feet	3.15
36 inches high, per roll of 150 feet	3.60
48 inches high, per roll of 150 feet	4.80
60 inches high, per roll of 150 feet	6.00
72 inches high, per roll of 150 feet	7.25

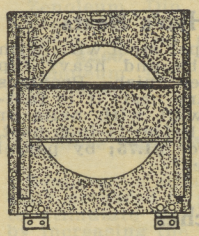
Nest Eggs



These are very effective, especially the medicated ones, which not only act as a nest egg, but will kill mites and lice at the same time. Prices as follows:

Medicated Nest Eggs, doz. **75c**; by parcel post, **90c**. Lime Nest Eggs, doz., **45c**; by parcel post, **55c**. China Nest Eggs, doz., **40c**; by parcel post, **55c**. Bisque Nest Eggs, doz., **60c**; by parcel post, **75c**.

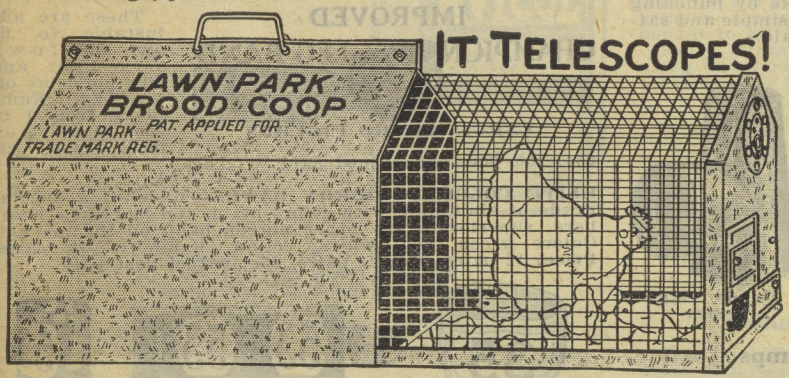
Moe's Trap Nest Front



The trap Nest Front that we offer is quickly attached to any box style nest. Cheaper and better than making your own. Simple in design, well made, trapping the hen without fail. Each, **50c**; by parcel post, **65c**.

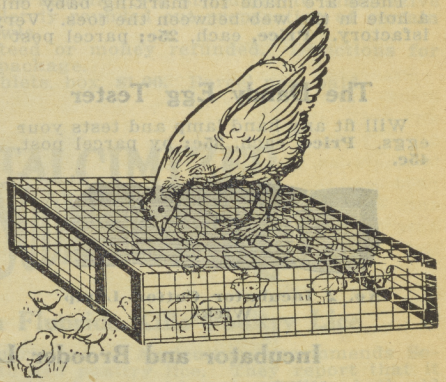
Moe's Never Fail Trap Nest

As the name implies, it never fails. Every nest set up ready for use when shipped. No. 34, 12x12x14½, complete, **$2.00**; by parcel post, No. 34, **$2.40**.



The Lawn Park Brood Coop

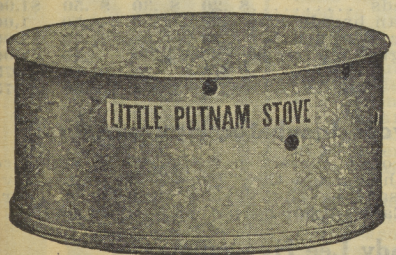
The wire park pulls out like bureau drawer and is made from heavy galvanized wire netting. Body of coop is made from strong galvanized steel. Size of coop, 18 inches wide, 19½ inches high, 48 inches long. Protects the chicks from hawks, rats, weasels, vermin, cold and storms. It is so ventilated that when park is pushed in, the air circulates freely without admitting rain or snow. Allows sunshine, fresh air and change of grass. Can be moved from place to place easily. The coop has removable galvanized bottom. Easy to clean. Each, **$3.75**, set up ready to use. Knocked down in lots of six, **$21.00**. F. O. B. Memphis.



The Perfection Baby Chick Feeder

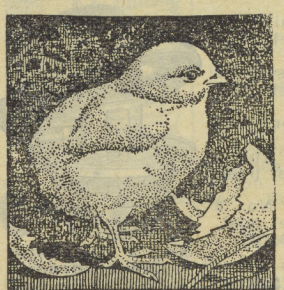
This simple wire feeder protects the little chicks and insures them plenty of feed, and will pay for itself many times over in economy of feed. It can be used in connection with the Lawn Park Brood Coops. **Price:** Each, **$1.50**. By express only.

The Little Putnam Stove



Keep drinking water from freezing. Water kept at a proper temperature is a big help in getting winter eggs. Costs only 20c to 30c for oil to run an entire winter. Make your own oat sprouter with a Little Putnam Stove. Directions furnished to all customers. **Price: $2.50**; by parcel post, **$2.65**.

Baby Chicks by Parcel Post



SPECIAL INSTRUCTIONS

Orders must be booked three weeks in advance, and cash must accompany order.

PRICES ON BABY CHICKS:

White Leghorn, Brown Leghorn—25, **$6.00**; 50, **$10.00**; 100, **$16.00**.

Barred Rocks, Rhode Island Reds—25, **$6.00**; 50, **$11.00**; 100, **$18.00**.

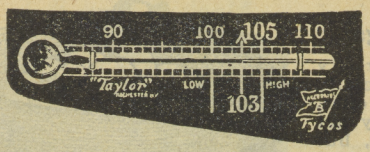
White Rocks and White Wyandottes—25, **$6.50**; 50, **$11.00**; 100, **$20.00**.

Mixed Lots—25, **$5.50**; 50, **$10.00**; 100, **$18.00**.

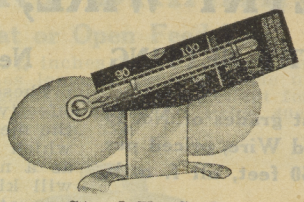
Not less than 25 chicks sold.

Prices above, parcel post paid to your address. Orders must be booked three weeks in advance and remittances sent with order. Orders filled from January to June

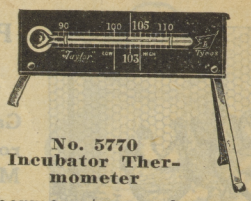
R.-H. CO'S. INCUBATOR THERMOMETERS, LEG BANDS, ETC.



No. 5774, Incubator Thermometer



Stand Up Style

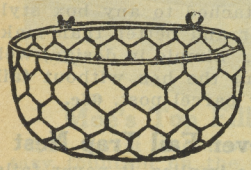


No. 5770 Incubator Thermometer

Incubator and Brooder Thermometers

We handle the celebrated Tycos Thermometer. They can be used in any make of incubator. Just state which machine you are using and whether you want the thermometer to hang or to stand. Prices as follows:

No. 5770—Straight pattern, with adjustable legs, ea. **$0.75**
No. 5774—Angle pattern, to hook on wire, each..... **.70**
No. 5780—Flat pattern Thermometer, each..... **$0.70**
No. 5782—Certified Thermometers, each..... **1.25**
No. A—Stand Up style, with good large base, each Will answer for Buckeye or any other incubator.. **.75**
No. 5790—Tycos Brooder Thermometer, each..... **.50**
No. 5794—Tycos Brooder Thermometers, each..... **.40**
No. 5715—Tycos Dairy Thermometer, each..... **.45**
No. 5440—Tycos Weather Thermometers, each **30c** and **.40**
By parcel post, **10c** extra.



Wire Hen's Nests

Made of copper steel wire, with plate steel ribs and heavy top wire; all copper finish. Provides a clean sanitary nest; it is fastened to the wall with nails or screw hooks. **Price:** 14-inch nest, each, **35c;** 6 for **$1.75;** by parcel post, each, **45c.**

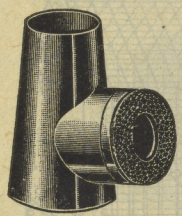
Petty Poultry Punches

These are made for marking baby chicks by punching a hole in the web between the toes. Very simple and satisfactory. **Price,** each, **25c;** parcel post paid.

The Dandy Egg Tester

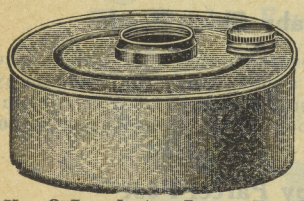
Will fit any hand lamp and tests your eggs. **Price,** each, **35c;** by parcel post, **45c.**

No. 2 Incubator Cotton Lamp Wicks



Dandy Egg Tester

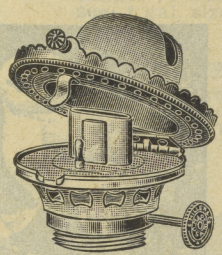
Incubator and Brooder Lamps



No. 3 Incubator Lamp Bowl

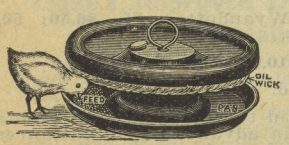
No. 1 LAMP BOWLS. Each 60c; by parcel post, **75c.**
No. 2 LAMP BOWLS. Each 75c; by parcel post, **85c.**
No. 3 LAMP BOWLS. Each 90c; by parcel post, **$1.00.**
SUN HINGED LAMP BURNERS—Three sizes, **50c, 75c** and **$1.00** each.

Lamp Wicks (Cotton)—All sizes, 2 for **10c;** 12 for **50c,** parcel post paid.
Lamp Wicks (Red Felt)—All sizes, 2 for **15c;** 12 for **70c,** parcel post paid.
Lamp Chimneys for Incubators and Brooders—Strong metal.
No. 103—Height 6 in.; fits 1 and 2 burners. Each, **35c.** By parcel post, **45c.**
No. 104—Height 6 in.; fits No. 3 burner. Each, **35c.** By parcel post, **45c.**



No. 2 Incubator Lamb Burner

Automatic Chick Greaser

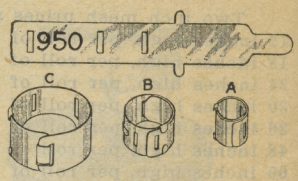


Automatic Chick Greaser

Kills mites, head lice and other insects on the baby chicks while they are eating; their heads rub against the wick and they grease themselves. Price: Each, complete, **$1.00;** by parcel post, **$1.20.**

Poultry and Chick Leg Bands

THE O. K. CHICK MARKING BAND—These leg bands are made of aluminum, and are adjustable to three sizes. As the chick grows you do not have the trouble of changing bands and hunting up corresponding numbers. Price: Doz., **15c;** 100, **75c.** Parcel post paid.



O. K. Chick Marking Band

LARGE RAISED FIGURES

These are adjustable to fit any size fowl, very light and will not come off easily. Numbered from 1 to 300. Price, per doz., **15c;** 25, **25c;** 100, **60c;** parcel post paid.

ELITE COLORED PIGEON BANDS—Made of a special grade of aluminum with colors plain, and has large numbers; superior to any other pigeon band on the market. Colors green, red, white, yellow, numbered in pairs. **Price:** 12 pairs, **45c;** 24 pairs, **85c;** parcel post paid.

Victor

Elite Pigeon Bands

VICTOR COLORED NUMBERED LEG BANDS—An extra strong colored band with large numbers. We can furnish them in Red, Yellow, Green, Blue and White. They fit any breed, being adjustable. Numbered. **Price:** Doz., **40c;** 25, **75c;** 100, **$2.50;** parcel post paid.

PERFECTION CELLULOID KEY RING BAND

These slip on like a key ring; cannot drop off; easily removed if necessary. Made of the various colors—white, pink, yellow, green, dark blue, light blue, red and ruby. Made in all sizes. When ordering state for what breed and color you want them. Prices as follows, parcel post paid:

	Doz.	25	50	100
No. 1—Asiatic breeds	$ .20	$ .30	$ .50	$1.00
No. 2—Mediterranean breeds	.20	.30	.50	1.00
No. 3—American or Leghorn	.20	.30	.50	1.00
No. 4—Bantam & growing stock	.20	.30	.50	1.00
No. 5—Pigeon size	.15	.25	.50	.75
No. 6—Baby Chick size	.15	.25	.50	.75

No. 5796 Tycos Incubator Hygrometers

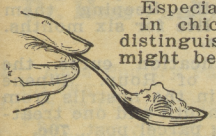
The importance of a correct percentage of moisture during incubation has made the "Tycos" Incubator Hygrometer as necessary as the "Tycos" Incubator Thermometer. **Price:** Each, **$1.50;** by parcel post, **$1.60.**

Mandy Lee Hygrometer

For testing the moisture in incubators. **Price:** Each, **$2.00;** parcel post paid. Extra wicks, each, **10c;** 3 for **25c.**

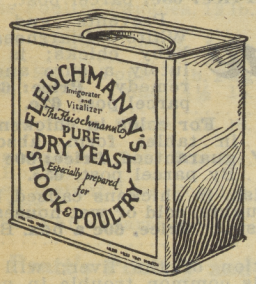
R.-H. CO'S. POULTRY REMEDIES, ETC.

Fleischmann's Pure Dry Yeast



Especially prepared for Poultry.

In chicks the yeast-fed birds were easily distinguishable from the non-yeast lot and as might be expected were more vigorous from the very start as was manifested in the way they hatched (eggs from yeast-fed hens) and their vitality and strength to withstand the cold; as the yeast-fed lot preferred to be out of doors while the others were hovered around the stove. There also was no indication of diarrhea or dysentery noticeable in yeast lot, indicating greater disease-resisting powers.



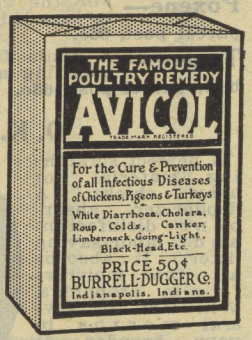
In the process of standing or working the yeast plant multiplies very rapidly and simultaneously predigests and changes the nutrients of the grain into a more assimilable form for the chick—liberating its entire food value. Like a spark to an explosion—the yeast plant is a liberator of food energy. One teaspoonful is required for 50 chicks.

Free booklet and full directions sent on request.

Price: 2½-lb. can, **$2.00.** By parcel post, **$2.15.** 1-lb. can, **$1.00.** By parcel post, **$1.10.**

Avicol

A safe and effective remedy in tablet form for White Diarrhoea, Cholera, etc., in small and large grown fowls. Avicol is now being used by thousands of successful poultry raisers the world over. Price: **50c** and **$1.00** a box. Parcel post paid.



Skaloint

TRADE MARK

Gives positive results for the troublesome scaly leg on chickens; guaranteed; **25c;** by parcel post, **35c.**

Sulphur Fumigating Candles

A safe and effective fumigator. Moisture is given off with the gas, producing sulphurous acid gas, which is essential to thorough fumigation. Easily lighted and a sure burner. **Each, 10c;** By parcel post, **15c.**

Dr. Burrell's Mineral Salsates

A balanced mineral mixture combined with Dry Yeast for poultry, supplies mineral and the much needed vitamines, thus giving increased egg production, quicker growth and better health. Send for circulars on this wonderful preparation. **Price:** 15-lb. carton, **$1.90.** By parcel post within second zone, **$2.25.**

Don Sung

A new discovery, makes hens lay, absolutely guaranteed to put your hens in good condition and make them lay more eggs.

Don Sung (Chinese for egg laying) is given in the feed and doesn't force or burst the hen in any way; in fact, it makes her healthier. It is a new scientific discovery for hens that merely stimulates the egg organs, making her strong and vigorous, and as a result she lays regularly in any season. **Price:** Box, 45 tablets, **50c,** parcel post paid. Large size box, 135 tablets, **$1.00.** Special size, 700 tablets, **$5.00,** parcel post paid.

Zenoleum

A scientifically compounded preparation. The various kinds are used for live stock and poultry to prevent lice and mites as well as general use about the farm, barn and the house.

Zenoleum is used and recommended by fifty agricultural colleges and experiment stations.

Zenoleum Dip and Disinfectant, 8-oz. can, by express, **35c.**

Zenoleum Dip and Disinfectant, 1-qt. can, by express, **75c.**

Zenoleum Dip and Disinfectant, 2-qt. can, by express, **$1.25.**

Zenoleum Dip and Disinfectant, 1-gal. can, by express, **$2.00.**

Zenoleum Dip and Disinfectant, 5-gal. can, by express, **$8.00.**

Zennergy

Get More Eggs With Dr. B. F. Kaup's Tonic Zennergy For Laying Hens

Zennergy, a stimulating, health building tonic, scientifically prepared in proper dosage and made of ingredients to stimulate the reproductive organs and the appetite by increasing the flow of gastric juices and aiding digestion. It's a nerve stimulant—a stimulant to eliminative organs—a completely rounded out preparation of certain benefit to all fowls.

Fully guaranteed or money refunded. Directions for using on every package.

Price: 100 tablets, box, **$1.00.** Parcel post paid.

TALCIMIZED SODIUM FLUORIDE

TRADE MARK

Sodium Fluoride Kills Poultry Lice

The U. S. Department of Agriculture recommends Sodium Fluoride to kill poultry lice. They report that it does the work better than anything else, killing both old and young lice, including the young which come from the eggs present on the fowl at the time of treatment. **Price:** ½-lb. box, **35c;** by parcel post, **45c;** 1-lb. box, **60c;** by parcel post, **75c.**

Trakol

For gapes in chicks. Easily given in drinking water; will cure every case of gapes. **Box, 50c,** parcel post paid.

Roupover

The over-night roup remedy; easily given; comes in liquid form; a few drops to a roupy chicken is guaranteed to cure. **Bottle, 50c;** parcel post paid, **60c.**

Oculum

Prevents and cures White Diarrhoea in baby chicks; a scientific remedy and prevention of poultry diseases; also a splendid egg producer. Per bottle, **50c;** large size, **$1.00.** Not mailable.

Smok 'Em

We have a full supply of Smok 'Em preparations, all of which are fully guaranteed. Circulars on application. **SMOK 'EM ROUP REMEDY**—Cures them over night. Large can, **$1.50;** by parcel post, **$1.70.**

GIANT SMOK 'EM LOUSE KILLER—Canned Smoke kills lice and mites while the chickens are on the roost. Large cans, **$2.00;** by parcel post, **$2.20.** Small can, **$1.00;** by parcel post, **$1.10.**

DOUBLE HEALTH AND EGG PRODUCER—A sure health builder; guaranteed to make the poultry produce more eggs. Small box, **75c;** by parcel post, 85c. Large box, **$1.25; by parcel post. $1.45.**

R.-H. Co's POULTRY REMEDIES, Etc.

CARBOLA

The disinfectant that paints. Carbola is infinitely superior to lime, which loses what slight disinfection qualities it ever had by slacking when exposed to the air. It may be used on either stone, brick wood, metal or cement, and can be put on over a white-washed or painted surface. Can be applied with either sprayer or brush. 5-lb. package, **95c**, postpaid. By express: 5 lbs., **75c**; 10-lb. pkg., **$1.25**; by parcel post, within second zone, **$1.40**; 50-lb. sack, **$5.00**; by express only.

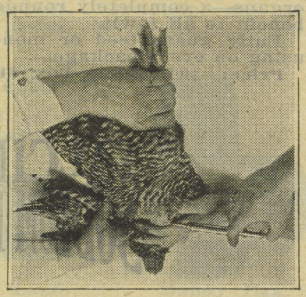
Avian Bacterin

Protect your flock against roup, colds, sorehead, chicken pox, etc., or save a large percentage of sick birds in flocks already affected with ASL Avian mixed bacterin. This wonderful preparation is administered by means of a hypodermic syringe. Ask for circulars on Avian Bacterin. Complete directions with every package.
Price: 60-dose bottle, **$2.00**; 250-dose, **$5.00.**
Syringe and needle, **$1.50.** Parcel post paid.

Galli Cura

Prevents the development of white diarrhoea and will also cure them; give Galli Cura to your baby chicks, also should be used on the older birds; once or twice a week will keep them in best condition.

Price: 50c a box. Parcel post paid.



Using Avian Bacterin

Revenge Lice Powder

An oily Lice Powder that sticks well to the feathers and will kill all body lice on poultry. **Per box, 25c, 50c and 85c**; by parcel post, **30c, 60c** and **$1.00.**

Cholerine

A scientific compound for curing cholera, roup and other poultry ailments; they take their own medicine, as the preparation is used in drinking water. Two size bottles, **35c** and **65c** each. Not mailable.

Licecil

Kills poultry lice by simply hanging up the bottle in the poultry house. Where the house cannot be conveniently closed mix the whole bottle of Licecil with half gallon of kerosene and spray this mixture at intervals of three days. Full directions and circulars sent with all orders. **Prices:** 1 bottle, **80c**; 3 bottles, **$2.25**; gallon, **$3.75.** Sent by express only.

Water Glass

For preserving eggs. Put your eggs down in the spring and summer when they are cheap and keep them fresh for ten months with Sterlingworth water glass. One quart is sufficient for 12 dozen eggs. 1-quart size, **35c**; 1-gal. size, **$1.25.** Not mailable.

Licene

Licene will destroy every louse and "nit" on your chickens, usually keeping them free from lice for six months. Per tube, **60c**; by parcel post, **5c** extra.

Pipene

One application cures the worst case of Roup. Pipene is injected in the nostrils from inside the mouth and one treatment effects a sure cure. **Price: 65c**; parcel post, **70c.**

Diarrene

Prevents and cures White Diarrhoea in baby chicks; is absolutely a sure and safe remedy. **Price: 60c**; by parcel post, **67c.**

Coldene

For colds in chickens; put in tablet form, absolutely guaranteed. **Price; 60c** a box. By parcel post, **65c.**

Reumatene—For rheumatism in chickens caused by exposure to draughts, cold or wet houses; convenient and easy to administer. **Price, 60c** a box. By parcel post, **65c.**

Liverene—For inflammation of the liver; will absolutely cure this common trouble in poultry. We absolutely guarantee Liverene. **Price, 60c** a box. By parcel post, **65c.**

Poxene—For the chickenpox; absolutely guaranteed to cure this troublesome disease. **Price: 60c**; parcel post, **65c.**

Tonene—A tonic for chickens, especially good for moulting and as an appetizer. **Price: 60c** a box; parcel post, **65c.**

O. K. Poultry Litter

A perfect scratching material for baby chicks. A deodorizer, absorbent disinfectant and labor-saving litter. It absorbs all the moisture from droppings. Will last for several months in your brooder or poultry house. **Price:** 4 lbs., **40c**; 10 lbs., **$1.00**; 50 lbs., **$4.00.** By parcel post, within 2d zone: 4 lbs., **55c**; 10 lbs., **$1.25.** Per bale of about 100 lbs., **$4.75**, F. O. B. Memphis.

$1,000.00 Guaranteed Roach and Ant Killer

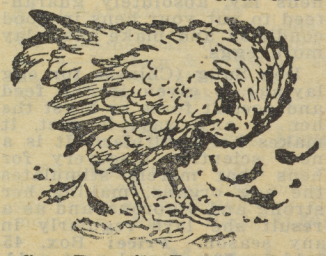
Absolutely guaranteed to destroy these pests.
$1,000.00 GUARANTEED ROACH KILLER—35c, 65c and **$1.20 boxes**; by parcel post, **40c, 70c and $1.25.**
$1,000.00 GUARANTEED ANT BANE—35c and **65c**; by parcel post, **5c** extra.
$1,000.00 GUARANTEED FLEA KILLER—35c and **65c.** By parcel post, **40c** and **70c.**
$1,000.00 GUARANTEED BED BUG KILLER—It sure gets them—**35c** and **65c.** By parcel post, **50c** and **80c.**

Bee Brand Insect Powder

Absolutely the most effective and satisfactory insect powder on the market; also good against fleas, lice and the pesky fly. Small can, **25c**; medium can, **50c**; large can, **$1.00.** By parcel post: Small can, **30c**; medium can, **60c**; large can, **$1.10.**

Star Parasite Remover

Gets the Parasites



Star Parasite Remover given to fowls in their drinking water thoroughly rids them of lice, mites and all blood sucking parasites. The effect on the chicken's blood by drinking the tonic keeps the chicken's body free of vermin, at the same time it will keep the chickens healthy and saves the life of the young chicks.

Star Parasite Remover is not an experiment, more than 200,000 users, a three-ounce bottle will keep 100 fowls free of all parasites more than 100 days.
Price, 3-oz. bottle, **$1.00.** By parcel post, **$1.10.**

R.-H. CO'S. POULTRY REMEDIES, ETC.

Dr. Hess Poultry and Stock Food

	By Parcel Post
Dr. Hess Poultry Panacea, 1½ lb. Pkg.	$0.25 $0.30
Dr. Hess Poultry Panacea, 5 lb. Pkg.	.75 .85
Dr. Hess Poultry Panacea, 12 lb. Pkg.	1.50 1.75
Dr. Hess Roup Remedy, 4 oz. Pkg.	.25 .30
Dr. Hess Stock Tonic, 2 lb. Pkg.	25 .35
Dr Hess Stock Tonic, 4½ lb. Pkg.	.50 .60
Dr. Hess Stock Tonic, 25 lb. Pail	2.25 2.65
Dr. Hess Instant Lice Powder, 1 lb. Box	.25 .30
Dr. Hess Instant Lice Powder, 2 lb. Box	.50 .60
Dr. Hess White Diarrhea Remedy	.25 .30

Conkey's Remedies

We recommend Conkey's because we know Conkey's is absolutely dependable. Conkey's must satisfy you or we'll refund your money quick.

Pratt's Poultry and Stock Remedies

	By Parcel Post
Pratt's Condition Tablets, Small	$0.25 $0.30
Pratt's Special Comp. Cholera Rem.	.25 .30
Pratt's Chicken Pox Remedy, Small	.35 .40
Pratt's Chicken Pox Remedy, Large	.70 .80
Pratt's Gape Remedy, Small	.30 .40
Pratt's Lice Powder, Med	.30 .40
Pratt's Lice Ointment	.35 .40
Pratt's Poultry Reg., Small Pkg	.25 .35
Pratt's Poultry Reg., Med. Pkg	.50 .60
Pratt's Poultry Reg., Large Pkg	1.40 1.65
Pratt's Poultry Reg., 12 lb. Pail	1.65 2.00
Pratt's Roup Powder, Small	.25 .30
Pratt's Roup Tablets, Small	.25 .30
Pratt's White Diarrhea Cure, Small	.25 .30
Pratt's White Diarrhea Cure, Large	.50 .60
Pratt's Horse Worm Remedy	.50 .60
Pratt's Heave Horse Remedy	.50 .60
Pratt's Distemper Remedy	.50 .60
Pratt's Animal Reg., Small	.30 .40
Pratt's Animal Reg., Med	.60 .70

Lee's Poultry Supplies

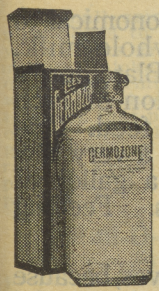
These products were invented by George H. Lee, the author of the Lee books, for use in his own poultry work. It is the oldest and most popular line on the market.

Lee's Egg-O-Hatch

A preparation for putting on the eggs in an incubator to make them hatch better. It straightens the chick and rots or weakens the shell. By express, **50c;** by parcel post, **60c.**

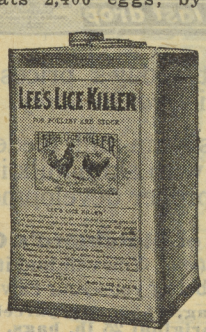
	By Express	Parcel Post
Lee's Lice Powder, small size	$0.25	$0.35
Lee's Lice Powder, large size	.50	.60

Lee's Eggolatum



Lee's Germozone

Used for preserving eggs, does it better than water glass; put away your surplus eggs with Eggolatum; they keep perfectly for 12 months when treated with Lee's Eggolatum. **Prices:** Per jar, **50c,** treats 600 eggs; by parcel post, **60c;** large size, **$1.00,** treats 2,400 eggs; by parcel post, **$1.15.**



Lee's Liquid Lice Killer, 1 qt.*	$0.60
Lee's Liquid Lice Killer, 2 qts.*	.90
Lee's Liquid Lice Killer, gal.*	1.50

*Not mailable.

	By Parcel Post
Conkey's Blackhead Remedy	$0.50 $0.60
Conkey's Canker Special Box	.50 .60
Conkey's Cholera Remedy, Small	.25 .30
Conkey's Cholera Remedy, Large	.50 .60
Conkey's Gape Remedy, Small	.25 .30
Conkey's Gape Remedy, Large	.50 .60
Conkey's Headlice Ointment, Small	.10 .12
Conkey's Headlice Ointment, Large	.25 .30
Conkey's Limberneck Remedy	.50 .60
Conkey's Lice Fix, Small Box	.25 .30
Conkey's Lice Fix, Large Box	.50 .55
Conkey's Lice Powder, Pound Box	.25 .35
Conkey's Lice Powder, 48-oz.	.50 .60
Conkey's Poultry Worm Powder, Small	.25 .35
Conkey's Poultry Worm Powder, Large	.50 .60
Conkey's Poultry Laxative, Small	.25 .35
Conkey's Poultry Laxative, Large	.50 .60
Conkey's Poultry Condition, Small	.25 .35
Conkey's Poultry Condition, Large	.50 .60
Conkey's Poultry Tonic, 1½ lb. Pkg.	.25 .35
Conkey's Poultry Tonic, 3 lb. Pkg.	.50 .60
Conkey's Roup Remedy, Small	.30 .35
Conkey's Roup Remedy, Med	.60 .65
Conkey's Roup Remedy, Large	1.20 1.30
Conkey's Roup Pills, Small	.30 .35
Conkey's Roup Pills, Med	.60 .65
Conkey's Roup Pills, Large	1.20 1.30
Conkey's Scaley Leg Remedy	.25 .30
Conkey's Sorehead Remedy, Small	.25 .35
Conkey's Sorehead Remedy, Large	.50 .60
Conkey's Sulphur Candles	.15 .20
Conkey's White Diarrhea Rem., Small	.30 .35
Conkey's White Diarrhea Rem., Med.	.60 .65
Conkey's White Diarrhea Rem., Large	1.20 1.30
Conkey's White Diarrhea Rem., 1200 Tablets	4.00 4.10
Conkey's Cow Special, 1¼ lb.	.50 .60
Conkey's Cow Special, 2¾ lb.	1.00 1.10
Conkey's Bag Ointment	.25 .30
Conkey's Stock Tonic, 2½ lbs.	.50 .60
Conkey's Stock Tonic, 7 lbs.	1.00 1.15
Conkey's Gall Salve	.25 .30
Conkey's Nox, 6 cubes	.25 .30
Conkey's Nox, 15 cubes	.60 .65
Conkey's Nox, 30 cubes	1.00 1.10
Conkey's Nox, 75 cubes	1.75 1.85
Conkey's Lice Liquid, qt.	.60 (not mailable)
Conkey's Lice Liquid, 2 qt.	.90 (not mailable)
Conkey's Lice Liquid, gal.	1.50 (not mailable)
Conkey's Noxicide, pt.	.50 (not mailable)
Conkey's Noxicide, qt.	.80 (not mailable)
Conkey's Noxicide, 2 qts.	1.30 (not mailable)
Conkey's Noxicide, gal.	2.00 (not mailable)

Lee's Germozone

During eighteen years has proven wonderfully effective for diseases of poultry, including roup, colds, sore head, swelled head, chicken pox, canker, cholera and diarrhoea. Most diseases are spread through the drinking water and germs picked up with food. Germozone in the drinking water prevents these troubles also. Thousands give it regularly twice a week to old and young chickens. **Price:** 4 oz. size, **40c;** 12 oz., **75c;** 32 oz. size, **$1.50.** Not mailable. Germozone Tablets: **25c, 65c** a box; by parcel post paid.

Kow-Kare

Watch every cow, and at the first sign of disorder in appetite, digestion or flow of milk, give a dose of **KOW-KARE.** Carefully follow the directions as given on the box, and that cow will get well.

KOW-KARE is in powder form, to be given in regular feed. It cures abortion, barrenness and scours, caked udder, removes retained afterbirth, purifies the blood, strengthens the appetite, vitalizes the nerves and prevents disease. It increases the milk. It is a medicine for cows only. **Price:**. Small size, **65c;** by parcel post, **75c;** large size, **$1.25;** by parcel post, **$1.35.**

Bag Balm

A soothing ointment. Relieves and cures udder trouble, caked bags, cow pox, chapping, inflammation of all kinds in cows. Prevents soreness, makes the cow an easy milker. **Price:** Per box, **60c;** by parcel post, **65c.**

Fly Sprays

These are used to keep flies off cows and horses. We carry the best brands on the market. Conkey's Fly Knocker: Qt., **60c;** ½ gal., **90c;** gal., **$1.50.** By express only.

Medicated Salt Brick

As its name implies, it is in brick shape, made of purest salt and medicine necessary for treatment of diseases for which it is intended. By this simple plan they take their medicine with their salt. Per brick, **25c;** 6 brick, **$1.25.** By parcel post, per brick, **40c.**

Bee Dee Stock and Poultry Powders

A poultry and stock medicine, formerly called Black Draught. Highly recommended for all stock and poultry troubles, hog cholera, etc. **25c** and **50c** a can; by parcel post, **32c** and **60c.**

Schumacher's Calf Meal

Schumacher Calf Meal takes the place of milk with calves from the time they are a month old. The ingredients of Schumacher Calf Meal have been chosen to supply the same proteins, minerals, fats and carbohydrates that are supplied in milk, and when fed according to directions to supply them in the right quantities for the best development of the calf.

Schumacher Calf Meal is being used with gratifying results in every section of the country where dairymen are striving to make the most from their cows. **Price:** 25 lb. bag, **$1.35.** By parcel post within 2nd zone, **$1.70.** We do not break the original 25 lb. bags.

Red Cross Rat and Mouse Embalmer

A sure rat and mouse destroyer that does the work thoroughly without any odor. It is absolutely the best preparation of its kind.

The past summer the rats and mice became so bad in our retail store that we were forced to sit up at nights to keep them from destroying our goods. We tried many remedies, traps of all kinds; in fact, we spent $20.00 or $30.00 trying to stop them but without avail. A friend of ours told us to try Red Cross Rat Embalmer and we must say it did the work. We sold it to dozens of our neighbors on Front street, and all have had fine results. If you are bothered with rats or mice, we can help you get rid of them.

Price: 50c, $1.00 and **$3.00** per can; by express only. Cannot be mailed.

Rax

The scientific destroyer of rats; not a poison. They die outdoors; harmless to all other animals and human beings. Rax is a bacteriological preparation containing pure cultures of active virus which has a deadly effect on rats and mice. **Price: 75c** per bottle, **85c** postpaid.

SALVET

Destroys worms in cattle, hogs and horses. Mixed in the feed the stock take their own medicine. Send for booklet for information on this splendid preparation.

5-lb. package Salvet, **60c;** by parcel post within 2d zone **75c.** 15-lb. package, **$1.50;** by parcel post within 2d zone, **$1.75.** 50-lb. pail Salvet, **$4.00;** by express only. 100-lb. keg Salvet, **$6.75;** by express only.

Salvet Hog Oil

A medicated oil for using in any make of hog oiler. This is much superior to any black oil; lasts longer and does the work more thoroughly; 5-gal. can, **$6.00;** by express only.

Figaro Liquid Smoke

Is a liquid smoke and contains nothing except what is obtained by burning hickory wood. By applying two coats of Figaro Liquid Smoke directly to the meat with a brush after meat has gone through the salt, it will be thoroughly smoked; will have a delicious flavor and will keep solid and sweet. 20 ounce bottle, **$1.00;** 40 ounce bottle, **$1.50.** By express only.

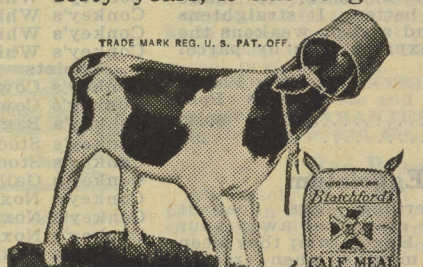
Red Star Disinfectant

Absolutely sure death to all bugs, insects, ants, roaches and mosquitoes. A clear liquid, this will not stain the most delicate article and is fully guaranteed in every way. **Price:** 1 qt. can, **75c;** ½ gal. can, **$1.25;** 1 gal. can, **$2.00.** By express only.

We handle, recommend and guarantee BLATCHFORD'S CALF MEAL for the following reasons:

1 It is conceded by experienced calf raisers to be the most efficient and most dependable calf meal on the market. It leads in QUALITY and in RESULTS.

2 Having been used successfully in this country for over forty years, it has long since passed the experimental stage. It has proved itself to be "just as advertised" and can be positively guaranteed to supply the food elements the calf requires for quick growth, thrift and health.



3 It is more economical to feed than whole milk. One pound of Blatchford's makes one gallon of rich milk-substitute feed. One pound costs but a very few cents, whereas a gallon of milk sells at today's prices for 20 to 25 cents. Feeding Blatchford's is *real economy.*

4 It permits skim-milk feeders to raise *better* calves, because when fed with skim-milk it replaces fats that are essential to the calf's proper development and growth.

Get a bag of Blatchford's Calf Meal today. *Try it—on our recommendation.* You will find it an economical and profitable thing to do. And better yet—your calves will relish it and THRIVE upon it.

Price: 25 lb. Bag, $1.50. By parcel post within 2nd zone, $1.85. We do not break the original 25 lb. bags.

R.-H. Co's CHICK FEEDS—GRIT & OYSTER SHELL for Poultry

As the market prices change often on grain and other Poultry foods we cannot make definite prices on large quantities. See Green Ink Price Sheet enclosed for special quotations.

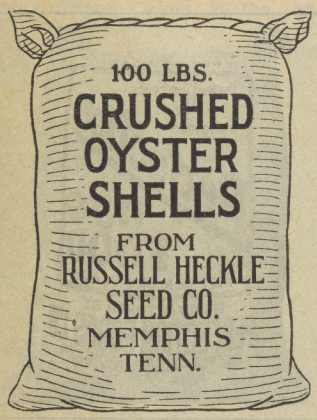
Chamberlain's Perfect Chick Feed—Contains meat, bone, charcoal, grit, oatmeal, etc. Does not contain CORN, and avoids bowel trouble, and other diseases caused by improper food. 4 lbs., **25c**; by parcel post, 4 lbs., **40c.** For bulk prices see Green Ink Price List Sheet enclosed.

F. P. C. Chick Manna—F. P. C. Chick Manna, or Health Food for Little Chicks promotes and preserves health. Lb., **18c**; 3 lbs., **45c**; 5 lbs., **70c**; 60 lbs.; **$6.50.** By parcel post: Lb., **25c**; 3 lbs., **65c**; 5 lbs., **$1.00.**

Blatchford's Chick Meal—WILL SAVE YOUR BABY CHICKS—A milk substitute, which nourishes all kinds of young poultry the same as pure whole milk, at half cost. By freight: 4-lb. pkg., **40c**; by parcel post: **55c**; 25-lb. bag, **$1.50**; by parcel post within second zone: 25-lb. bag, **$1.95.**

R.-H. Co's. Crushed Oyster Shells

Indispensable for successful poultry keeping, as it aids digestion and the formation of egg shells. In ordering please state whether the "fine" size is wanted for chicks and pigeons, or the "regular" size for grown fowls. 10 lbs., **25c**; by parcel post, **45c**, within second zone.



Semi Solid Buttermilk

Put up in paste form; when diluted makes a perfect buttermilk for feeding to poultry and hogs. One pound of semi-solid buttermilk will make one gallon of the liquid. **Price:** By express, 8-lb. can, **$1.10**; 50-lb. can, **$4.00**; ½ bbl., about 260 lbs., **$15.60** By parcel post, 8-lb. can, **$1.25.**

Dried Buttermilk

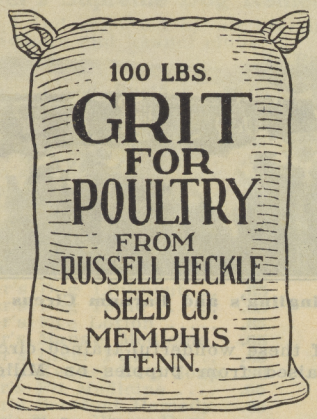
A small amount of dried buttermilk added to your mash will make your chicks grow faster, larger and mature quicker. The lactic acid in dried buttermilk not only prevents white diarrhoea and other poultry troubles that play havoc with young chicks, but also increases the digestibility of the balance of the ration. **Price:** 1 lb., **25c**; by parcel post, **35c**; 5 lbs., **$1.00**; by parcel post, **$1.15.**

Full-O-Pep Oatmeal

Full-O-Pep Oatmeal is a specially prepared oatmeal for chicks. It makes muscle, bone and nerves very rapidly, promotes big development, rapid growth and early maturity. **Price:** 3 lbs., **25c**; by parcel post, 3 lbs., **40c.**

Buckeye Rolled Oats

A valuable food for both adult fowls and growing chicks. By freight: 3 lbs., **25c**; parcel post, **40c.**



R.-H. Co's. Grit for Poultry

A highly essential article for both large and small chicks. Don't fail to provide the fowls with some kind of grit. They need it as a grinder or so-called chicken's teeth. We can supply all kinds of grit.

No. 1 Size—For large chickens.

No. 2 Size—For growing birds and pigeons.

No. 3 Size—For baby chicks.

Be sure to state size wanted when ordering.

Price: 10 lbs., **25c**. By parcel post within 2nd zone, **45c.**

Poultry Bone Meal

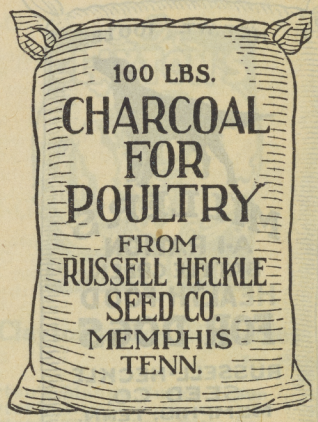
This is especially valuable for poultry as an egg maker and prevents leg weakness in young chicks. Mix it in their feed. We can furnish the coarse for hens and the fine grade for chicks. 3 lbs., **25c**; by parcel post, **40c.**

Beef or Meat Scraps

A standard meat food for poultry of all ages. For success and profit it is absolutely necessary to supply them with plenty of animal food in winter to take the place of bugs and other insects which they get during the summer months. By freight, 4 lbs., **25c**; by parcel post, **40c.**

R.-H. Co's. Charcoal

Charcoal aids digestion, promotes health, and is generally corrective of many of the poultry ills to which fowls are heir. A little charcoal goes a long way and is worth its weight in gold. Three sizes—Fine, for chicks; Medium, for half-grown fowls and pigeons; Coarse, for full-grown fowls. When ordering state size wanted. 2 lbs., **15c**; 4 lbs., **25c.** By parcel post: 2 lbs., **25c**; 4 lbs., **40c.**



Digester-Tankage or Meat Meal

A pure lean-beef fibre, carefully dried while fresh, and will keep indefinitely. It is excellent for hog feeding and may be mixed and fed in a mash to great advantage. By freight, 4 lbs., **25c**; by parcel post, **40c.**

Alfalfa Meal

This is Alfalfa Clover, cured green and cut fine for poultry. It is an excellent substitute for green grass, and increases egg production in winter. 8 lbs., **25c**; by parcel post within 2nd zone, **40c.**

Red Cross Health Grit for Pigeons and Chicks

A tonic and grit combined for pigeons and chicks; one of the best preparations on the market. By freight, 6 lbs., **25c**; by parcel post within second zone, **40c.**

Globe Brand Pigeon Food

A mixture of various grains, cracked and whole, peas and seeds, all clean, well matured, without any corn, and always of a size so that the birds, young or old, are able to use every particle of it. By freight, 4 lbs., **25c**; by parcel post, **40c.**

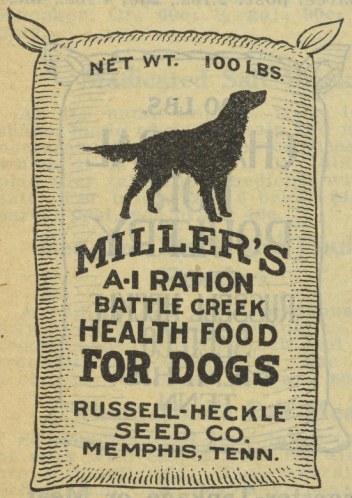
RUSSELL-HECKLE'S DOG AND PUPPY FOODS

Miller's A-1 Ration

BATTLE CREEK HEALTH FOOD FOR DOGS

Miller's A-1 Ration is a granular food made from cooked cereals, meat, bone and blood meal, ready to use and can be fed to dogs of all ages and breeds.

We buy in carload lots and order often to insure our customers a clean, fresh stock and shipment made same day we receive your order. 5 lb. cartons, **60c**; 12½ lb., **$1.00**; 25 lb. sack, **$1.75**; 50 lb., **$3.25**; 100 lb. sack, **$6.00**; 500 lb., **$27.50**. F. O. B. Memphis, Tenn. By parcel post, 5 lb. cartons, **75c**; by parcel post, 12½ lb. sack, within 2nd zone, **$1.25**; by parcel post, 25 lb. sack, within 2nd zone, **$2.05**.



Miller's A-1 Dog Biscuit

Miller's A-1 Dog Biscuits are made of clean wholesome Beef, Flour, Oatmeal, Cornmeal and Bone and baked in one of the most modern sanitary bake shops in the country, and it contains the necessary vital body and bone building elements in their proper proportions to sustain good health in your dogs. 2 lb. carton, **35c**; by parcel post, **45c**; 50 lb. bag, **$5.50**; F. O. B. Memphis; 100 lb. bag, **$10.00**; F. O. B., Memphis.

Miller's A-1 Kibbled Dog Biscuit

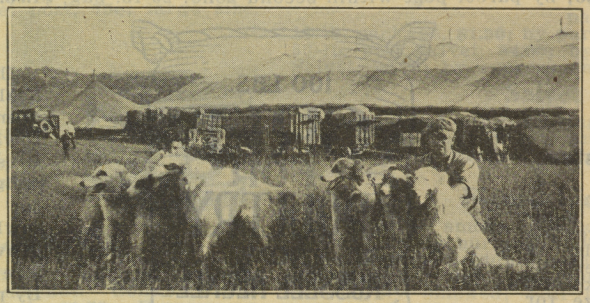
Miller's A-1 Kibbled Dog Biscuit is the same as the above only broken form which makes it convenient for mixing with vegetables, meat, fish, soups, broths, etc. 50 lb. bag, **$6.00**; 100 lb. bag, **$11.00**; F. O. B., Memphis.

Miller's A-1 Puppy Meal

Miller's A-1 Puppy Meal is especially adapted for the tender digestive organs of puppies as soon as they are old enough to eat solids. 2 lb. carton, **35c**; by parcel post, **45c**; 50 lb. sack, **$6.00**; 100 lb. sack, **$11.00**, F. O. B., Memphis.

We are sole agents for Champion Dog and Puppy Biscuits, Miller's A1 Dog and Puppy Biscuits, Perfection Dog Food and several other brands. Our stocks are fresh at all times and buying all the above in carload lots, we are in position to sell them at manufacturers' prices.

We make special prices on larger quantities. Let us know what amount you buy and we will quote you special low figures.



Ringling's and Barnum Circus Dogs

All of these wonderful trained circus dogs were raised from puppies on Miller's A-1 Ration.

Good News for Good Dogs

The Champion Animal Food Company of Minneapolis, nationally known manufacturers of foods for dogs, puppies and foxes, have appointed us distributors for the complete line of their products in Memphis and surrounding territory. You can buy Champion from us just as cheaply as from the factory at Minneapolis. Your order will be filled promptly, carefully and correctly.

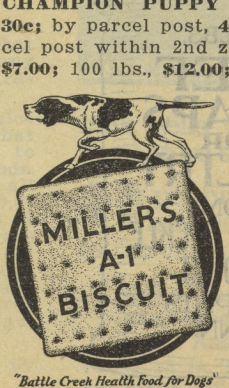
Try Champion! Place a trial order with us, and convince yourself of its superiority.

CHAMPION DOG BISCUIT—2½ lb. cartons, **40c**; by parcel post, **50c**; 5¾ lb. cartons, **75c**; by parcel post, **95c**; 25 lb. cartons, **$3.25**; by parcel post within 2d zone, **$3.55**; 50 lb. cartons, **$6.00**, 100 lbs., **$11.00**, F. O. B., Memphis.

CHAMPION KIBBLED OR BROKEN DOG BISCUITS—5 lb. bags, **75c**; by parcel post, **90c**; 25 lb. carton, **$3.75**; by parcel post within 2nd zone, **$4.05**; 50 lb. cartons, **$7.00**; 100 lbs., **$12.00**; F. O. B., Memphis.

CHAMPION PUPPY BISCUIT—1½ lb. cartons, **30c**; by parcel post, **40c**; 25 lb. cartons, **$3.75**; by parcel post within 2nd zone, **$4.05**; 50 lb. cartons, **$7.00**; 100 lb., **$12.00**; F. O. B., Memphis.

CHAMPION PUPPY MEAL—1½ lb. carton, **30c**; by parcel post, **40c**; 25 lb., **$3.75**; by parcel post within 2nd zone, **$3.75**; 50 lb. carton, **$7.00**; 100 lbs., **$12.00**; F. O. B. Memphis.



"Battle Creek Health Food for Dogs"

Perfection Dog Food

Perfection Dog Food contains cooked cereals, meat and bone in correct proportions. A chemical analysis shows it to contain the necessary amount of protein, fats and carbohydrates. Contains a well-balanced ration and is readily digested by any dog. Ask for circulars and feeding directions. 12½ lbs., **$1.00**; 25 lbs., **$1.75**; 50 lbs., **$3.25**; 100 lbs., **$6.00**. By parcel post, within second zone, 12½ lbs., **$1.20**.

Bennett's Milk Bone Dog Biscuit

A superior preparation. Keeps dogs in good condition. Ask for circulars. Per box, **40c**; by parcel post, **50c**.

Bennett's Milk Bone Puppy Biscuit

Especially prepared for puppies. They thrive and grow fat on Milk Bone Biscuits. Per box, **40c**; by parcel post, **50c**.

RUSSELL-HECKLE'S DOG FOODS AND REMEDIES

Spratt's Patent Dog and Puppy Cakes

These are always dependable and have been used by dog fanciers for over 36 years.

Spratt's Dog Cakes, 2 lb. cartons, **40c**; parcel post, **50c.**

Spratt's Dog Cakes, 4¾ lb. cartons, **75c**; parcel post, **90c.**

Spratt's Puppy Cakes, 2 lb. cartons, **40c**; parcel post, **50c.**

Spratt's Plain Puppy Meal, 2 lb. cartons, **40c**; parcel post, **50c.**

Spratt's Pepsinated Puppy Meal, can, **40c**; parcel post, **50c.**

Spratt's Cod Liver Oil Puppy Cakes, carton, **40c**; parcel post, **50c.**

Spratt's Fibo Puppy Cakes, carton, **40c**; parcel post, **50c.**

Spratt's Charcoal Puppy Cakes, carton, **40c**; parcel post, **50c.**

Spratt's Oval Dog Cakes, carton, **40c**; parcel post, **50c.**

Spratt's Dog Cakes, 25 lb., **$3.50**; 100 lbs., **$13.00.**

Spratt's Puppy Cakes, 25 lbs., **$3.75**; 100 lbs., **$14.00.**

Spratt's Oval Dog Cakes, 25 lbs., **$3.75**; 100 lbs., **$14.00.**

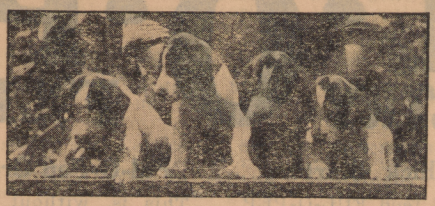
Sanitas Dog Remedies

These splendid remedies are sold under a positive guarantee of satisfaction or money back. There are no ifs or buts in their guarantee. You are the sole judge. We have sold them two seasons and don't recall a dissatisfied customer. These products will help your dog. Ask for complete circulars about Sanitas.

SANITAS MANGE TREATMENT—A new kind that seldom fails, unlike other preparations it leaves no unpleasant odor and does not make the hair greasy. It is also wonderful for treating cuts and wounds. **Price:** regular size, **50c**; by parcel post, **60c.** Kennel size, **$2.00**; by parcel post, **$2.15.**

SANITAS ANIMAL SOAP—Veterinarians say there is none better; it is truly a wonderful soap that will do your dog good. **Price: 25c** per cake; by parcel post, **35c.**

SANITAS PYN AIR DISINFECTANT—Powerful yet fragrant and non-poisonous, will not burn or sting, yet it is one of the most powerful and effective disinfectants known. **Price:** Regular size, **50c**; parcel post, **75c.** Quarts, **$2.00**; by parcel post, **$2.25.**



Glover's Supreme Dog Remedies

Used and endorsed by all prominent dog owners and kennel clubs.

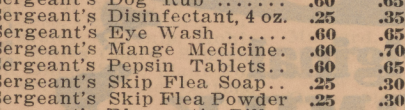
	By Parcel	Post
Glover's Blood Purifier	$0.65	$0.75
Glover's Black Tongue Remedy	.65	.75
Glover's Condition Pills	.65	.75
Glover's Canker Wash	.65	.75
Glover's Comp. Sulphur Tablets	.65	.75
Glover's Cough Mixture	.65	.75
Glover's Digestive Pills	.65	.75
Glover's Distemper Cure	1.20	1.35
Glover's Diarrhoea Remedy	.65	.75
Glover's Dog Liniment	.65	.75
Glover's Dog Tonic	.65	.75
Glover's Eye Lotion	.65	.75
Glover's Mange Medicine	.65	.75
Glover's Liver Pills	.65	.75
Glover's Kennel Dog Soap	.30	.35
Glover's Fit Medicine	.65	.75
Glover's Sorefoot Remedy	.65	.75
Glover's Tape Worm Remedy	.65	.75
Glover's Vermifuge	.65	.75
Glover's Worm Capsules	.65	.75

Write for H. Clay Glover's book on Dog Diseases.

Sergeant's Dog Medicines

	By Parcel	Post
Sergeant's Arsenic & Iron Pills	$0.60	$0.65
Sergeant's Canker Wash	.60	.65
Sergeant's Cough Medicine	.60	.65
Sergeant's Condition Pills	.60	.65
Sergeant's Constipation Capsules	.60	.65
Sergeant's Carbolic Tar Soap	.25	.30
Sergeant's Distemper Medicine	1.20	1.30
Sergeant's Dog Rub	.60	.65
Sergeant's Disinfectant, 4 oz.	.25	.35
Sergeant's Eye Wash	.60	.65
Sergeant's Mange Medicine	.60	.70
Sergeant's Pepsin Tablets	.60	.65
Sergeant's Skip Flea Soap	.25	.30
Sergeant's Skip Flea Powder	.25	.30
Sergeant's Rheumatic Pills	.60	.65
Sergeant's Sure Shot Worm Capsules	.60	.65
Sergeant's Sure Shot Worm Liquid	.60	.65
Sergeant's Tape Worm Capsules	.60	.65
Sergeant's Well Mouth	.60	.65

Write for Polk Miller's Dog Book.



You have no home if you have no dog

REG. U. S. PAT. OFF.

Kennel Food Supply Co. Dog Foods

The food will tell, this is strictly a high grade Dog Biscuit at a reasonable price.

KFS CO'S Plain Dog Biscuit, 25 lbs., **$2.50**; 100 lbs., **$8.50.**

KFS CO'S Cero Meato Dog Biscuits, 25 lbs., **$2.75**; 100 lbs., **$8.50.**

KFS CO'S Working Dog Biscuit, 25 lbs., **$3.00**; 100 lbs., **$9.00.**

KFS CO'S Puppy Biscuit, 25 lbs., **$3.25**; 100 lbs., **$9.25.**

KFS CO'S Puppy Meal, 25 lbs., **$2.50**; 100 lbs., **$8.50.**

All F. O. B. Memphis.

KFS Co's Perfect Condition Canned Meat

Especially prepared for dogs; it is ready for feeding, doing away with the cost of cooking and labor, being highly concentrated, and contains a high percentage of nourishment. **Price:** 2½ lb. cans, **40c**; 12 cans, **$3.60**; by parcel post, 2½ lb. can, **55c.**

Clayton's Dog Remedies

	By Parcel	Post
Clayton's Mange Cure	50c	60c
Clayton's Distemperine	50c	60c
Clayton's Condition Pills	50c	60c
Clayton's Laxative Pills	50c	60c
Clayton's Worm Capsules	50c	60c
Clayton's Vermifuge Liquid	50c	60c
Clayton's Vermifuge Tablets	50c	60c
Clayton's Fit Remedy Tablet	50c	60c
Clayton's Diarrhea Rem. Liquid	50c	60c
Clayton's Diarrhea Rem. Tablet	50c	60c
Clayton's Kilflea Soap	30c	35c
Clayton's Creoline Soap	30c	35c
Clayton's Kilflea Powder	35c	40c

Dr. Clayton's dog book mailed on request.

Viamin Tonic

Contains Vitamines and minerals essential to normal growth and is also a laxative, especially valuable for bitches in whelp and following the removal of hook worm in running barking fits. **Price: $1.00** a box, parcel post paid.

Carbon Tetrachloride C. P.

Will absolutely cure and remove all kinds of worms in dogs and pups. Running and barking fits, or fright disease is caused by the toxins from hook worms. Carbon Tetrachloride with Viamin Tonic is absolutely guaranteed to cure running barking fits. Price, correct dose sealed in elastic capsules of assorted sizes, **$1.00** parcel post paid.

FUL-O-PEP POULTRY FEED

Ful-O-Pep Chick Starter

To raise them all feed FUL-O-PEP Chick Starter, the "FUL-O-PEP Way," which provides the proper feeding from the time they are hatched until maturity.

FUL-O-PEP Starter is mild, soft, easily assimilated; just the feed to carry on and strengthen nature's process; it has the materials for making bone, tissue and feathers as well as for developing digestive capacity.

FUL-O-PEP Chick Starter is composed of oatmeal, ground puffed wheat, bone meal, fish meal, codliver oil, and other valuable products.

5-lb. carton, **40c**; 8⅓-lb. package, **55c**; by parcel post within 2nd zone, 5 lbs., **50c**; 8⅓ lbs., **70c**.

Ful-O-Pep Fine Chick

A complete grain feed for chicks from 2 to 8 weeks old. It is a standard mixture of recleaned cracked grains and seed, hulled oats, fine granulated bone and fine charcoal. 8⅓-lb. package, **40c**; by parcel post, within 2nd zone, **55c**.

Ful-O-Pep Coarse Chick

A mixture of grains a trifle larger than Baby Chick Grains to be fed to baby chicks after eight weeks old. It is made like all the balance of the Full-O-Pep Feeds from the very best quality of grains cracked to the proper size, thoroughly sifted and clean. By freight: 8⅓ lbs., **40c**; by parcel post, within 2nd zone, **55c**.

Ful-O-Pep Growing Mash

This is, without doubt, the finest baby chick mash ever placed at the disposal of the poultryman, large or small. It is, in part, oatmeal ground fine—and nicely balanced with other bone and muscle forming ingredients conducive to the making of rapid growth. Feed it from the time they are ready for their first meal. 8⅓ lbs., **45c**; by parcel post, within 2nd zone, **60c**.

Ful-O-Pep Egg Mash

You will agree with us, when you try it, that Full-O-Pep is the last word in an egg-producing ration. Two quarts to every ten hens. Feed it dry from a good hopper. **Price** of Full-O-Pep Mash; 8⅓ lbs., **40c**; by parcel post, within 2nd zone, **55c**.

Ful-O-Pep Scratch Grain

Contains a large assortment of small and cracked grain, giving the hen a properly balanced ration. It contains the grains for the laying hens to keep them in condition to lay; you should feed a dry mash along with it. 8⅓ lbs., **35c**; by parcel post, within 2nd zone, **50c**.

For price on 25-lb., 50-lb., and 100-lb. bags see Green Ink Price List, which we enclose.

CONKEY'S BUTTERMILK STARTING FEED

Conkey's, the Original Buttermilk Starting Feed, Raises Husky Chicks

The Original BUTTERMILK Starting Feed

The lactic acid in the pure, rich buttermilk strengthens and tones up the sensitive digestive organs of the little chick and helps to prevent White Diarrhea.

MAKES CHICKS GROW

Conkey's is different from all other chick feeds and costs so little for those critical first eight weeks, because of results obtained. It builds strong, sturdy chicks that grow into heavy layers, good breeders and full-bodied market fowls.

Before the chicks come, get a bag and be ready to start them right. Follow with Conkey's Buttermilk Mash, the great Developer and Egg Producer.

This superior chick mash was the first commercial poultry feed containing buttermilk—that is why we call it the only ORIGINAL buttermilk starting feed.

Conkey's carries buttermilk in just the right proportion as an aid in prevention of bowel troubles, white diarrhoea, "leg weakness," etc. The buttermilk is Semi-Solid buttermilk, blended with the other ingredients by the ORIGINAL process in such a way as to preserve the appetizing, tonic, and other properties of the newly churned product.

Lactic acid in buttermilk is described as an "intestinal broom" which sweeps away unfriendly bacteria and disease germs in the delicate digestive tract. Buttermilk is also rich in one of the vitamines necessary to growing birds. It is a wonderful appetizer, aid to digestion and flesh builder.

Don't be influenced by "cheaper" imitations labeled "buttermilk"—that word may be used to deceive unwary buyers—to cover up a multitude of "sinful" grains, mill sweepings, poisonous weed seeds, musty screenings, worthless by-products, or other poor material having little or no nutritive value.

Ask for circulars and further information on Conkey's Buttermilk Starting Food.

Price: 2½-lb. package, 25c; 5-lb., 40c; 10-lb., 70c. By parcel post within second zone: 2½-lb., 35c; 5-lb., 55c; 10-lb., 85c.

SPRAYING GUIDE FOR FRUIT TREES AND ROSES

APPLES—First spraying January or February. Use Lime Sulphur Solution, 1 to 10, which means 1 part of Lime Sulphur to 10 parts water or scalecide 1 part to 15 parts of water. Second spraying when fruit has set. Use Lime Sulphur with Arsenate of Lead, diluting 1 part to 50 parts water. For woolly aphis, use Kerosene emulsion or Blackleaf 40. Add Kayso to make spray material stick.

GRAPES—First spraying January or February with Lime Sulphur, 1 to 10, or Pratt's Scalecide, 1 to 15. Second spraying when fruit has shown, using Bordeaux Mixture, diluting 1 to 60. Third spraying, also use Bordeaux Mixture and add Blackleaf 40.

PEACHES—First spray in January and February. Use Lime Sulphur, dry, 1 lb. to 5 gallons of water or use concentrated liquid Lime Sulphur 1 gallon to 10 gallons of water and always add Kayso. Scalecide is also good as a dormant spray—use 1 gallon to 15 gallons of water. Second and third spraying use Atomic or Dritomic Sulphur with Arsenate of Lead. These will not burn when used properly. For Brown Rot spray in April with Atomic Sulphur and Arsenate of Lead. For Peach Borers in the roots use Paradichlorobenzene one ounce to the tree.

PLUMS—Same as for Peaches.

POTATO—For the common potato bug the best non-poisonous preparation is Bug Death. No. 40 Dust is also fine. For large crops use Arsenate of Lead or Paris Green and P. B. K. For blight use Bordeaux Mixture with Arsenate of Lead.

PEAR—First spraying January or February with Lime Sulphur, 1 to 10, or Pratt's Scalecide, 1 to 15. Second spraying when trees are in full leaf, using Atomic Sulphur, 1 to 8, and Arsenate of Lead, 2 pounds to 50 gallons of water.

ROSES—First spraying should be done with Lime Sulphur, 1 to 6, during February. For aphis and lice, which most always destroy the Spring blossoms, use Black Leaf 40, Nicotine, Kerosene Emulsion or Lotol. For chewing insects use Arsenate of Lead or Slug Shot. For blight and mildew use Bordeaux Mixture and Sulphur. Lime Sulphur mixed with Arsenate of Lead will correct many fungus troubles on Roses.

Pomo Dust cures Black Spot on roses; dust plants thoroughly twice in early Spring.

EVERGREEN SHRUBS, ETC.—When Evergreens like Arbor Vitea cedars and Junipers begin to turn brown, it's red spider that is causing the trouble; use at once four ounces Fish Oil Soap and ½ pint Lime Sulphur to one gallon of water. Spray two or three times a few days apart.

Helpful for the Amateur in Mixing Spray Materials

A 1 to 100 Solution Is Made as Follows:

1 teaspoonful to a tumbler of water.
2 teaspoonfuls to a pint of water.
4 tablespoonfuls to a gallon of water.
1 pint to 12 gallons of water.
2 quarts to 50 gallons of water.

Add Kayso to all spray mixtures.

MONTHLY HINTS FOR PLANTING

The right time for sowing all seed, as we give them in the different months, should naturally be governed by the condition of the weather and the soil.

JANUARY—Sow in hot beds: Cabbage, Lettuce, Beets, Onion, Tomato, and Cauliflower.

Sow outdoors the latter part of the month: Turnips, Mustard, Spinach, Radish, and English Peas.

FEBRUARY—Sow outdoors: Radish, Turnip, Mustard, Spinach, Onion Seed, and English Peas. Set out Onion Sets. Sow Sweet Peas.

Sow in hot beds: Cabbage, Beet, Tomato, Egg Plant, Kohl-Rabi, Lettuce and Pepper.

Set out frost-proof Cabbage Plants. Sow Lawn Grass Seed. Sow oats, Canada Field Peas, Red Top, Orchard Grass and Lespedeza. Set out Grape Vines and Fruit Trees of all kinds. Spray fruit trees now.

MARCH—This is the month to begin general garden operations. Sow outdoors Cabbage, Lettuce, Carrot, Beets, Parsley, Parsnips, Leek, Onion Seeds, Salsify, English Peas, both the smooth and wrinkled sorts.

Plant Onion Sets and Irish Potatoes. Sow Sweet Peas. Plant Early Corn. Set out early frost-proof Cabbage Plants, also Cauliflower and Lettuce plants, Asparagus roots, Horseradish and Rhubarb roots.

Sow farm seeds: Clover, Grasses, Oats, Alfalfa, Lawn Grass and Lespedeza.

Set out Fruit Trees of all kinds. Strawberry, Raspberry and Blackberry plants. Continue to spray trees now.

APRIL—A good month to start active garden operations. If not yet planted, sow now, out of doors, Beets, Bush Beans, Pole Beans, Carrots, Cress, Celery, Corn, Cucumber, Endive, Leek, Mustard, Parsley, Parsnip, Kohlrabi, Herbs, Peas, Radish, Spinach, Swiss Chard, Squash, Tomato, Rape and Turnip. Set out Onion Sets; plant Potatoes. Set out Cabbage, Cauliflower, Beet and Lettuce plants.

Sow all kinds of Flower Seeds and Spring Bulbs.

Sow Clovers, Alfalfa, Millet, Sorghum, Kaffir Corn, Bermuda Grass, Lespedeza, Sudan Grass, Orchard and Herd's Grass, Artichokes and Field Corn. Plant Cotton Seed. Set out Blackberry, Raspberry and Strawberry plants.

MAY—Sow Bush Beans, Pole Beans, Lima Beans, Beets, Cabbage, Carrot, Corn, Cucumber, Cantaloupe, Endive, Egg Plant, Lettuce, Mustard, Okra, Onion Sets, Pepper, Parsley, Parsnips, Garden Peas, Pumpkin, Herbs, Squash, Swiss Chard, Spinach, Tomato, Turnip.

Sow Flower Seeds of all kinds; also put out Flower Bulbs; set out Cabbage, Tomato, Pepper, Egg Plants and Sweet Potato slips. Sow Millet, Sorghum, Sudan Grass, Cow Peas, Chufas, Peanuts; plant Field Corn and Popcorn, Soy Beans, Velvet Beans, Cotton Seed, Kaffir Corn, Milo Maize.

JUNE—As you get space in your garden, sow Garden Corns, Cucumbers, Cantaloupes, Collards, Pumpkin, Okra, Squash, Watermelon, Swiss Chard, Salsify, Carrot and late Beets. Set out Tomato, Egg Plant, Pepper and Sweet Potato plants. Sow a later crop of Bush Beans, Lima Beans and Pole Beans. Sow Tomato seed to set out later for Fall crop.

In the field, sow Stock Peas, Soy Beans, Buckwheat, Broom Corn, Sorghum, Velvet Beans, Sudan Grass, Millet, Mexican June Corn.

JULY—Plant for late crops: Garden Corn, Cucumbers, Cabbage Seed, Carrots, Tomato Seed, Bush Beans, Pole and Lima Beans, Okra, Squash, Pumpkin, Rutabaga.

Sow in the field: Cow Peas, Millet, Sorghum, Soy Beans, Sudan Grass, Millet, Mexican June Corn, Buckwheat. Plant Potatoes for late crop.

AUGUST—Begin to plant now your Fall Garden. If weather is favorable, sow Turnips, Kale, Radish, Rutabagas, Collards, Mustard, Beet, Bush and Pole Beans, Lettuce, Cucumbers, Squash. Plant Potatoes for late crop.

Sow Crimson Clover, Burr Clover and Seed Rye. Millet sown in this month will make a crop of Hay.

SEPTEMBER—Get busy on your Fall Garden. Sow Turnips, Rutabagas, Kale, Mustard, Swiss Chard, Spinach, Lettuce, Endive, Radish, Onion Seed for transplanting to the field. Set out Shallots and Onion Sets. Sow Crimson Clover, Burr Clover, Alfalfa, Red Clover, Grass Seeds, Vetch, Rye, Winter Oats and Essex Rape.

OCTOBER—Sow Spinach, Kale, Seven Top Turnips, Mustard, Winter Radish, Corn Salad. Set out Onion Sets. White Multiplier and Shallot Buttons.

Sow Rye, Barley, Winter Oats, Wheat, Vetch, Essex Rape, Alfalfa, Red Clover, Crimson Clover, Burr Clover, and all Grass Seeds, including Winter Lawn Grass Seed.

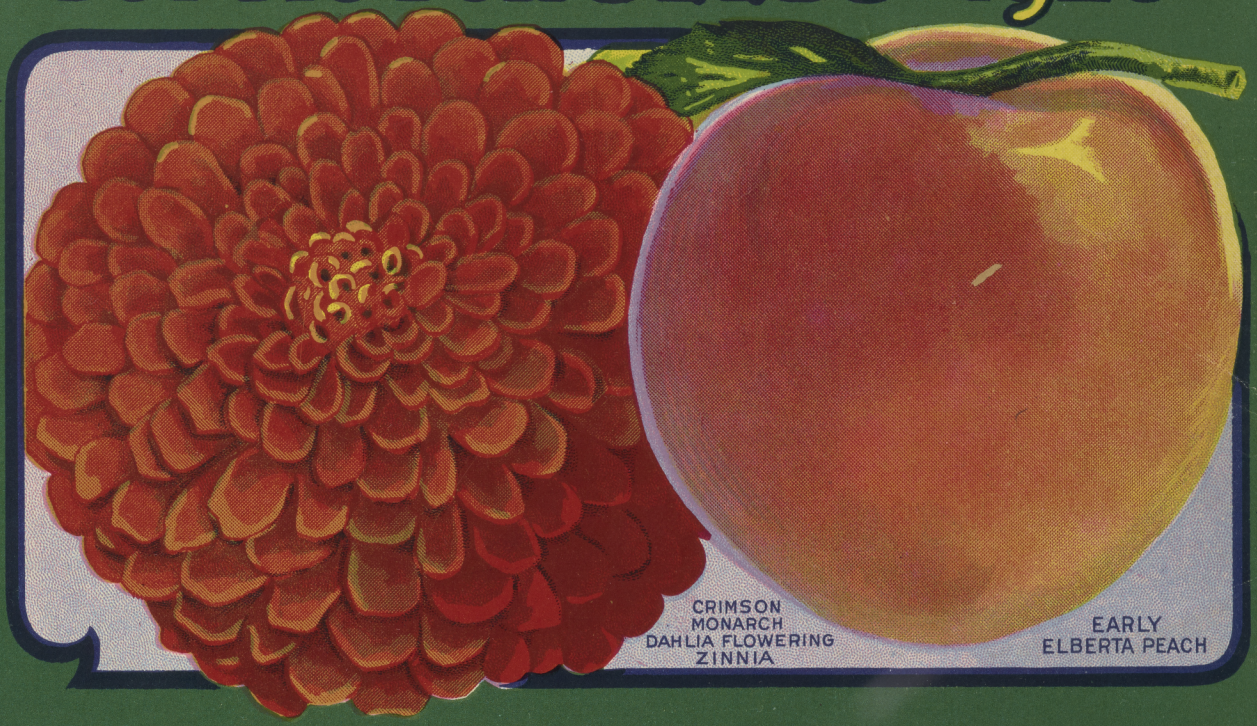
NOVEMBER—Set out Onion Sets and Shallots. Sow Spinach and Kale, also more Turnips for Winter Greens.

Sow, in hot beds, Cabbage, Beets and Lettuce for transplanting later in cold frames. Continue to sow Winter Oats, Rye, Barley and Wheat. Sow Winter lawn and other Grass Seeds. Set out all kinds of Fruit Trees, Strawberry plants, Asparagus roots. Plant outside Hyacinths, Tulips and Narcissus bulbs.

DECEMBER—Get your hot bed ready and sow Cabbage, Lettuce, Beet and Cauliflower seed for Spring use.

Sow in frames, forcing Radish seed. Continue to plant Dutch bulbs for early Spring blooming. Set out Fruit Trees and Shade Trees. Spray fruit trees and grape vines this month.

TOP NOTCH SEEDS ~ 1925



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